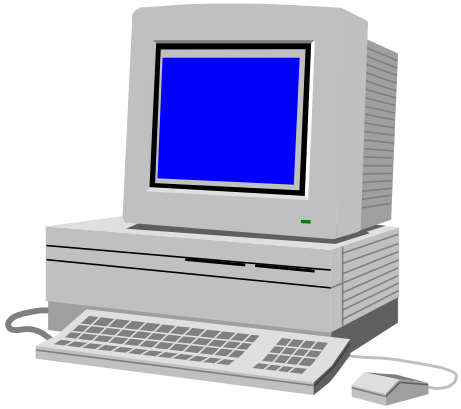
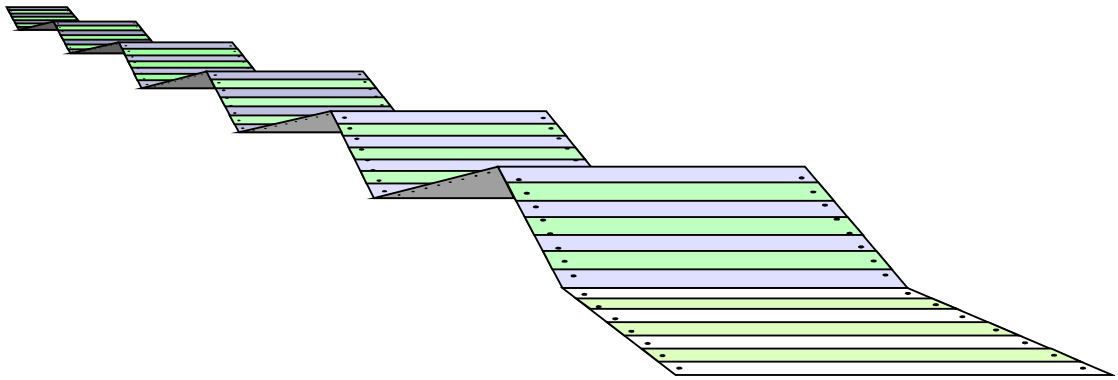
GUIDE / WABE



INHALTSVERZEICHNIS

System-Dokumentation



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VERSION 1.0

Einführung

GUIDE/WABE 1.0 ("Weight & Balance Easy“) ist die erste Version eines Prototyps einer neuen Oberfläche für das Weight & Balance-Flugabfertigungssystem LH-WAB.

GUIDE/WABE 1.0 wurde im Rahmen einer Diplomarbeit bei der Deutschen Lufthansa AG, Abteilung KB/O, am Flughafen Frankfurt entwickelt. Für die Erstellung wurde das Programm *Configuration Manager* aus dem *QIK-ACCESS*-Paket der Firma Sabre Decision Technologies, inc. (SDT) verwendet.

Vorliegendes System-Handbuch ist für diejenigen Personen gedacht, die GUIDE/WABE an neue Anforderungen anpassen möchten bzw. die Pflege des Systems übernehmen.

Es wird vorausgesetzt, daß der Programmierer oder GUIDE/WABE-Systempfleger zumindest die in der Diplomarbeit enthaltenen Angaben zum Softwarepaket QIK-ACCESS gelesen hat bzw. ihm der Umgang mit dem *Configuration Manager* vertraut ist. Zur Änderung der im vorliegenden Buch beschriebenen Daten und Skripts wird dringend empfohlen, ein Handbuch zur Programmierung unter dem *Configuration Manager* zu Rate zu ziehen.

System-Voraussetzungen

Die Mindestvoraussetzungen für die Benutzung von GUIDE/WABE sind folgende:
- 486er Computer (DX),
- 4 MB RAM Hauptspeicher,
- 450-480 KB freier Hauptspeicher,
- 20 MB freie Festplattenkapazität,
- 15“-Monitor,
- Netzwerkkarte und Software,
- Betriebssystem DOS,
- Zugriffsmöglichkeit zum Host.

Um den Ansprüchen eines Arbeitsplatzes in der Flugabfertigung Rechnung zu tragen, ist folgende Minimalausstattung dringend anzuraten:
- 486 DX2/66 Rechner,
- 8 MB RAM Hauptspeicher,
- 450-480 KB freier Hauptspeicher,
- 50 MB freie Festplattenkapazität,
- 17“ Monitor,
- Netzwerkkarte und Software,
- Betriebssystem DOS,
- Zugriffsmöglichkeit zum Host,
- HOST Emulationsprogramm für PCs,
- optional das MS WINDOWS Programm.

Für die Installation :
- GUIDE/WABE Installationsdiskette.

Für die Weiterentwicklung und Wartung :
- das QIK-ACCESS Softwarepaket inklusive CONFIG.EXE, dem *Configuration Manager*.

Der Programmstart zu Testzwecken kann ohne jegliche Netzwerksoftware erfolgen, diese ist lediglich für den Hostzugriff erforderlich.

Installation von GUIDE/WABE 1.0

1) Sie starten SETUP.BAT auf der Installationsdiskette.
2) In dem dann erscheinenden Menü wählen Sie Punkt 1, Installation. Die Daten werden entpackt und gleichzeitig in den festgelegten Pfad C:\PRG\GUIDE kopiert. Das Entpacken der Daten von Diskette dauert ca. 5 Minuten.
3) Anschließend werden Sie gefragt, ob der Aufruf von GUIDE/WABE unter Windows unterstützt werden soll, indem eine Programmgruppe WABE mit dem gleichnamigen Programm angelegt wird. Wählen Sie ´0´, wenn Sie dies nicht möchten. Soll die Programmgruppe jedoch angelegt werden, wählen Sie die ´1´. Die Installation ist hiermit beendet. Sie befinden sich nun im Verzeichnis C:\PRG\GUIDE\PROGRAMS, in welchem WABE direkt gestartet werden kann.

Der Programmstart

Wichtig: GUIDE/WABE funktioniert nur, wenn in der Datei CONFIG.SYS die Einstellung "DOS=LOW" vorgenommen wurde. Ferner sind mindestens 4 bis 6 KB Speicher für den DOS-Umgebungsbereich vorzubelegen (in CONFIG.SYS z.B. "SHELL=C:\DOS\COMMAND.COM C:\DOS\ /E:*4096* /P" eintragen), da von GUIDE/ WABE Variablen unter DOS angelegt werden müssen. Beachten Sie außerdem, daß in der Batch-Datei WABE.BAT der amerikanische Tastatur-Treiber aufgerufen wird. Diese Zeile darf nicht entfernt werden, da sonst einige Tastenbelegungen nicht mehr arbeiten.
Die genannten Bedingungen werden WABE durch die verwendete Software QIK-ACCESS auferlegt.

Der Programmaufruf geschieht durch Wechsel in das Verzeichnis C:\PRG\GUIDE\PROGRAMS und anschließenden Aufruf von WABE.BAT.
Dort werden die Systemumgebungsvariablen gesetzt und die Datei MENU.BAT aufgerufen, mit der der Benutzer die Farbeinstellungen für Vordergrund (Schriftfarbe) und Hintergrund trifft. Dann wird das Programm UNIGUIDE.EXE mit der Parameterdatei UNISCOPE.QR aufgerufen, das die Verbindung zum Host herstellt. Anschließend wird das Programm QIK_RES.EXE gestartet, das auf die mit dem *Configuration Manager* erstellte Datenbank zugreift. Dort ist als Startroutine das Skript SYS_INIT festgelegt, das anhand der Umgebungsvariablen den weiteren Programmablauf bestimmt. Ist die Umgebungsvariable *app* auf ´*w*´ gesetzt, dann wird GUIDE/WABE mit dem Skript ´*W_START*´ gestartet.

Beschreibung der Programme auf Diskette

Es folgt eine Liste der auf der Installationsdiskette vorhandenen Programme:

```
 Volume in drive A is WABE_1_0
 Volume Serial Number is 3116-15DC

Directory of A:\

WABE        <DIR>     04.09.95   14:34
SETUP    BAT     1151 04.09.95   12:55
       2 file(s)       1151 bytes

Directory of A:\WABE

.           <DIR>     04.09.95   14:34
..          <DIR>     04.09.95   14:34
WABE     ARJ   1164157 04.09.95   13:27
ANLEG    ARJ     68553 31.08.95   18:50
SETUP_2  BAT       143 04.09.95   14:17
UT       COM      9964 18.04.93    0:44
ARJ      EXE     99940 30.05.91    8:37
WABE     PIF       545 31.08.95   18:48
DO_WABE  BAT      5025 04.09.95   14:55
DO_W_PCK BAT       191 04.09.95   14:21
      10 file(s)    1348518 bytes

Total files listed:
      12 file(s)    1349669 bytes
                     104960 bytes free
```

- SETUP.BAT ist die Batchdatei, die zur Installation von GUIDE/WABE auf C:\PRG\GUIDE benötigt wird.
- WABE.ARJ ist die gepackte Datei, die alle nötigen Programmteile von GUIDE/WABE enthält.
- ANLEG.ARJ ist die gepackte Datei, die zum Anlegen der Programmgruppe unter Windows benötigt wird.
- SETUP_2.BAT wird von SETUP.BAT benötigt und sollte nicht einzeln aufgerufen werden.
- UT.COM wird von SETUP.BAT benötigt und sollte nicht einzeln aufgerufen werden.
- ARJ.EXE ist ein Programm zum Packen und Entpacken von Dateien.
- WABE.PIF ist eine PIF-Datei, die benötigt wird, wenn man GUIDE/WABE unter Windows startet.
- DO_WABE.BAT erstellt aus einer GUIDE/WABE-Vollversion eine nur startbare, nicht änderbare Installationsversion und kopiert diese auf Diskette.
- DO_W_PCK.BAT wird von DO_WABE.BAT benötigt und sollte nicht einzeln aufgerufen werden.

Vollautomatische Erstellung einer neuen Installationsdiskette

Die vollautomatische Erstellung einer neuen Installationsdiskette ist dank der beiliegenden Batch-Datei DO_WABE.BAT sehr einfach:

- Sie kopieren alle auf der Installationsdiskette befindlichen Dateien in ein Verzeichnis auf der Festplatte.

  Beispiel:
  md c:\wabe
  cd c:\wabe
  copy a:.**
  copy a:\wabe.**

- Die neueste Version von GUIDE/WABE befindet sich als Vollversion auf einer beliebigen Partition im Verzeichnis \PRG\GUIDE. Dazu soll die entsprechende Installationsdiskette erstellt werden. Um dies zu erreichen, müssen Sie lediglich die Batchdatei DO_WABE.BAT im Zielverzeichnis mit den nötigen Quell- und Zielparametern starten. Quell-Parameter ist die Partition, in der sich die Vollversion befindet, beispielsweise Laufwerk C:. Zielparameter ist das Verzeichnis, in welches Sie die alte Installationsversion kopierten, hier C:\WABE. Der Aufruf könnte also folgendermaßen lauten:

  c:
  cd c:\wabe
  do_wabe.bat c: c:\wabe

DO_WABE.BAT erstellt nun ein neues WABE.ARJ aus der Vollversion. Anschließend kopiert es alle Dateien aus dem angegebenen Zielverzeichnis, hier C:\WABE, auf eine von Ihnen eingelegte leere Diskette in Laufwerk A:. Nach einem kurzen Test der kopierten Dateien stellt diese Diskette nun Ihre neue Installationsdiskette dar[1].

[1] NACH OBENSTEHENDEM PRINZIP WURDE DIE INSTALLATIONSDISKETTE ZUR DIPLOMARBEIT ANGELEGT. AUS 906 DATEIEN (25,8 MEGABYTE) WURDEN 79 DATEIEN (4,8 MB) FÜR DIE LAUFFÄHIGE, NICHT ÄNDERBARE VERSION KOPIERT. DIESE DATEIEN BELEGEN GEPACKT (WABE.ARJ) LEDIGLICH 1,1 MEGABYTE SPEICHER. SIE FINDEN EINE LISTE DER FÜR DIE LAUFFÄHIGE VERSION NÖTIGEN DATEIEN AM ENDE DIESES HANDBUCHS.

Installation von WABE in unterschiedlichen Verzeichnissen

Um GUIDE/WABE in einem anderen Verzeichnis starten zu können, sind folgende Änderungen auf der Ebene des Betriebssystems nötig:

- Kopie aller Dateien unter C:\PRG\GUIDE mittels XCOPY in ein anderes Verzeichnis.

  Beispiel:
  c:
  md c:\prg\guide_2
  cd c:\prg
  xcopy guide /s /e /v guide_2

- Änderung der Pfadangaben in allen Batchdateien im Verzeichnis C:\PRG\GUIDE\PROGRAMS:
  von *C:\PRG\GUIDE\...* nach *C:\PRG\GUIDE_2\...*

- Änderung der Parameterdatei UNISCOPE.QR wie folgt:

  keyb us (um im nachfolgenden Programm einen Backslash eingeben zu können)
  c:
  cd \prg\guide_2\programs
  ren qik_res.exe qik_res.ex$
  ipxwkstn.exe uniscope.qr
  Taste <PgUp> oder <ALT-TAB> betätigen, um in den Kommando-Modus zu gelangen
  autoload c:\prg\guide_2\programs\qik_res.exe (Eingabe des neuen Pfades der Datei QIK_RES.EXE im Unterverzeichnis PROGRAMS)
  Taste <PgUp> oder <ALT-TAB> betätigen, um den Kommando-Modus zu verlassen
  Kommando-Modus erneut aufrufen
  save (Einstellung abspeichern)
  quit
  keyb gr
  ren qik_res.ex$ qik_res.exe

Bei Problemen zur Benutzung von IPXWKSTN.EXE bitte das entsprechende Handbuch (*CHI Sperry/UTS Emulator Reference* Manual) zu Rate ziehen!

Aufbau der Hostverbindung über eine andere SID-Nr.

Die im Gateway befindliche *Chi*-Karte ermöglicht es, mehrere Verbindungen gleichzeitig zwischen PC und Host aufzubauen, die jeweils über eine eigene SID (*Session ID*) verwaltet werden.

Um die Hostverbindung über eine andere SID aufzubauen, ist die Änderung der Parameterdatei *UNISCOPE.QR* gemäß des Beispiels auf der vorigen Seite nötig. Tauschen Sie lediglich die Zeile mit dem Befehl *autoload* gegen den Befehl *sid xx*, wobei *xx* die neue SID-Nr. darstellt. Die SID-Nr. ist hexadezimal oder dezimal je nach momentaner Einstellung einzugeben. Mit dem Befehl *conf* sehen Sie die aktuell eingestellten Werte in dem gerade gültigen Zahlensystem. Die Umschaltung des Zahlensystems erfolgt mittels des Befehls *hex*. In der vorliegenden Version 1.0 von WABE wurde *sid 68* (HEX) gewählt, was der freien SID namens *T62854* entspricht. Um beispielsweise die SID *T62856* zu verwenden (=*T62854*+2), ist *sid 6A* (68 HEX +2) einzugeben.

Vergessen Sie nicht, die neue Einstellung mittels *save* abzuspeichern und *qik_res.ex$* wieder in *qik_res.exe* umzubenennen!

Übersicht über die Ablaufstruktur

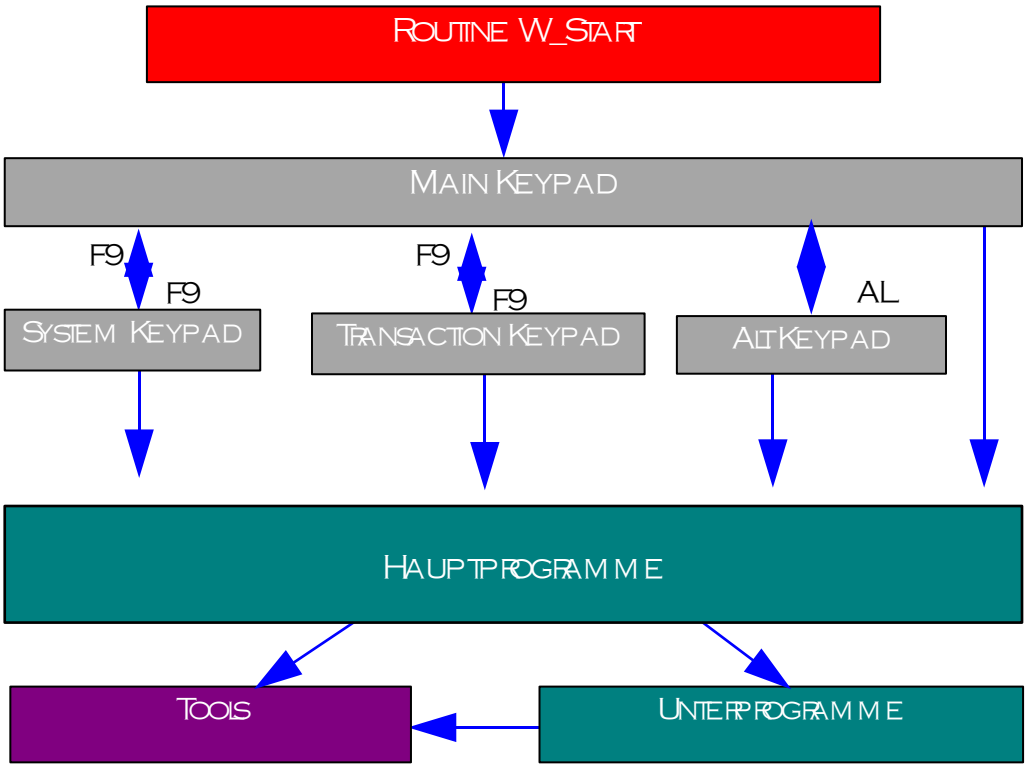


Abbildung 1: Die Ablaufstruktur von GUIDE/WABE

Nachdem das Skript W_START alle zu Beginn nötigen Initialisierungen durchgeführt hat, erscheint das *Main Keypad* auf dem Bildschirm. Von diesem Hauptmenü aus kann man mittels <ALT>, <F8> und <F9> weitere *Keypads* (Untermenüs) erreichen. Von allen 4 *Keypad*-Plattformen werden nach Betätigung einer Funktionstaste Hauptprogramme aufgerufen, die ihrerseits Unterprogramme oder allgemeine Funktionen (Tools) starten können. Auch Unterprogramme sind in der Lage, Tools aufzurufen. Nach Beendigung eines Programmes oder Tools bzw. nach Betätigung von <ESC> in einem Eingabefenster kehrt man wieder zum vorherigen *Keypad* zurück.

BESCHREIBUNG DER MODULE

IM FOLGENDEN ABSCHNITT FINDEN SIE:

- DIE NAMEN ALLER FÜR WABE ERSTELLTEN SKRIPTS SOWIE DEREN KURZBESCHREIBUNG,
- ALLE NAMEN DER EINGABEFENSTER SAMT BESCHREIBUNG,
- DIE KEYPADNAMEN MIT ABBILDUNG,
- EINE AUFLISTUNG ALLER BENUTZTEN VARIABLEN.

BESCHREIBUNG DER SKRIPTS

JEDER EINTRAG BEINHALTET:

- DEN SKRIPTNAMEN, EINE FUNKTIONSBESCHREIBUNG, DIE NAMEN DER AUFRUFENDEN SOWIE AUFGERUFENEN SKRIPTS UND EINE AUFLISTUNG DER BENUTZTEN EINGABEFENSTER.

W_ASSIGN (ASSIGN OPS AGENT)

- ZWECK: DIE ROUTINE DIENT DER DATENAUFNAHME DES OPERATIONS-AGENTEN
- AUFGERUFEN VON: W_START ODER BETÄTIGUNG VON <F2> IM *SYSTEM SUBMENU*
- RUFT AUF: -
- BENUTZTE EINGABEFENSTER: W_ASSIGN

W_CHECK_CA (CHECK CONTROLACTION)

- ZWECK: DIE UNTERROUTINE PRÜFT, OB DIE WFM-TRANSAKTION AUSGEFÜHRT WURDE, BEVOR WES GESTARTET WIRD
- AUFGERUFEN VON: W_WES
- RUFT AUF: -
- BENUTZTE EINGABEFENSTER: -

W_CHECK_CONT (CHECK FOR CONTINUATION)

- ZWECK: DIE UNTERROUTINE PRÜFT, OB DIE VORAUSSETZUNGEN ZUR FORTSETZUNG DER GERADE AUFGERUFENEN FUNKTION GEGEBEN SIND (WENN NICHT, WERDEN ALLE MOMENTAN ABLAUFENDEN SKRIPTS BEENDET)
- AUFGERUFEN VON: BELIEBIGEN SKRIPTS AUSSER W_ASSIGN
- RUFT AUF: -
- BENUTZTE EINGABEFENSTER: -

W_CHECK_ER (CHECK ERROR)

- ZWECK: DIE UNTERROUTINE PRÜFT, OB FEHLER BEI DER HOSTVERBINDUNG AUFGETRETEN SIND
- AUFGERUFEN VON: BELIEBIGEN SKRIPTS
- RUFTAUF: W_PROMPT, W_DELAY
- BENUTZTE EINGABEFENSTER: -

W_CH_LEN (CHECK LENGTH)

- ZWECK: DIE ÜBERGEBENE VARIABLE WIRD BIS ZU IHRER VOLLEN LÄNGE MIT PUNKTEN (´.´) AUFGEFÜLLT,BEVOR SIE ZUM HOST GESCHICKT WIRD (DAMIT WIRD DER HOST-FEHLERMELDUNG ´FORMAT´ BEI ZU KURZER VARIABLENLÄNGE ENTGEGENGEWIRKT)
- AUFGERUFEN VON: BELIEBIGEN SKRIPTS
  PARAMETER: VARIABLENNAME
- RUFTAUF: -
- BENUTZTE EINGABEFENSTER: -

W_ER_WES (ERROR IN WES)

- ZWECK: DIE ROUTINE DIENT DER ÜBERPRÜFUNG DER EINGABE IM WES-EINGABEFENSTER
- AUFGERUFEN VON: W_WES
  PARAMETER: VARIABLENNAME, VARIABLENINHALT, POSITIONSNR. FÜR KOPIE
- RUFTAUF: W_FU_DI, W_DELAY
- BENUTZTE EINGABEFENSTER: -

W_FLT_1 BIS W_FLT_8 (FLIGHT NR.1-8)

- ZWECK: DIE ROUTINE DIENT DER FESTLEGUNG DER ZU BEARBEITENDEN AKTIVEN FLUGNUMMER
- AUFGERUFEN VON: TASTENKOMBINATION ALT+(F1-F8)
- RUFTAUF: W_FLT_LST
- BENUTZTE EINGABEFENSTER: -

W_FLT_LST (FLIGHT LIST)

- ZWECK: DIE ROUTINE DIENT DER DARSTELLUNG ALLER ZU BEARBEITENDEN FLUGNUMMERN UND DEREN ABFERTIGUNGSSTÄNDEN
- AUFGERUFEN VON: TASTENKOMBINATION ALT+F9
- RUFTAUF: W_FLT_LST_CH, W_FLT_LST_S1
- BENUTZTE EINGABEFENSTER: W_WFM_FL

W_FLT_LST_CH (FLIGHT LISTCHECK)

- ZWECK: DIE ROUTINE DIENT DER ÄNDERUNGSÜBERPRÜFUNG DES EINGABE FENSTERSW_WFM_FL
- AUFGERUFEN VON: W_FLT_LST
  PARAMETER: FLUGNUMMER UND TAG
- RUFTAUF: -
- BENUTZTE EINGABE-FENSTER: W_FLT_LST

W_FLT_LST_S1 (FLIGHT LISTSUBROUTINE 1)

- ZWECK: DIE ROUTINE DIENT DER ZURÜCKSETZUNG ALLER FLUGNUMMERN- UND TAGVARIABLEN
- AUFGERUFEN VON: W_FLT_LST
  PARAMETER: FLUGNUMMER MIT TAG, FLUGNUMMER OHNE TAG, TAG OHNE FLUGNUMMER
- RUFTAUF: -
- BENUTZTE EINGABE-FENSTER: W_FLT_LST

W_FU_DI (FUNCTION DISPLAY)

- ZWECK: DIE ROUTINE DIENT DER DARSTELLUNG VON AUSGABEN IM PROMPTFENSTER
- AUFGERUFEN VON: BELIEBIGEN SKRIPTS
- RUFTAUF: W_DELAY
- BENUTZTE EINGABE-FENSTER: FENSTER'PROMPT' (NUR AUSGABE)

W_FU_PU (FUNCTION POPUP)

- ZWECK: DIE ROUTINE DIENT DEM AUFRUF BELIEBIGER EINGABE-FENSTER
- AUFGERUFEN VON: BELIEBIGEN SKRIPTS
  PARAMETER: NAME DES EINGABEFENSTERS
- RUFTAUF: -
- BENUTZTE EINGABE-FENSTER: -

W_FU_PU_CH (FUNCTION CHECK POPUP)

- ZWECK: DIE ROUTINE DIENT DER ÜBERPRÜFUNG, OB DIE TASTE ESC GEDRÜCKT WURDE
- AUFGERUFEN VON: W_FU_PU
- RUFTAUF: -
- BENUTZTE EINGABE-FENSTER: -

W_FU_SEND

- ZWECK: DIE ROUTINE DIENT DEM SENDEN VON DATEN ZUM HOST BELIEBIGEN SKRIPTS
- AUFGERUFEN VON: W_CHECK_ER
- RUFTAUF: -
- BENUTZTE EINGABE-FENSTER -

W_F_11 (FUNCTION KEY F11 PRESSED)

- ZWECK: DIE ROUTINE DIENT DER RÜCKKEHR ZUM MAIN KEYPAD
- AUFGERUFEN VON: FUNKTIONSTASTE <F11>
- RUFTAUF: -
- BENUTZTE EINGABE-FENSTER -

W_GEN_DET_END (GENERAL MASK EDITOR DETERMINE END)

- ZWECK: DIE ROUTINE DIENT DER BESTIMMUNG DER LETZTEN ABZUSENDENDEN ZEILE
- AUFGERUFEN VON: W_GEN_EDIT
- RUFTAUF: W_GEN_SEND
- BENUTZTE EINGABE-FENSTER -

W_GEN_EDIT (GENERAL MASK EDITOR)

- ZWECK: DIE ROUTINE DIENT DER BEARBEITUNG BELIEBIGER MASKENTRANSAKTIONEN
- AUFGERUFEN VON: FUNKTIONSTASTE <F4> IM SYSTEM SUBMENU
- RUFTAUF: W_GEN_DET_END, W_GEN_EDIT_SEND, W_GEN_EDIT_SV
- BENUTZTE EINGABE-FENSTER W_SEND

W_GEN_EDIT_SEND (GENERAL MASK EDITOR SEND)

- ZWECK: DIE ROUTINE DIENT DEM ABSENDEN DER SECHS IN BEARBEITUNG BEFINDLICHEN ZEILEN EINER MASKE
- AUFGERUFEN VON: W_GEN_EDIT
- RUFTAUF: W_CHECK_ER
- BENUTZTE EINGABE-FENSTER -

W_GEN_EDIT_SV (GENERAL MASK EDITOR SET VARIABLES)

- ZWECK: DIE ROUTINE DIENT DEM ZURÜCKSETZEN DER VOM MASKENEDITOR VERWENDETEN VARIABLEN
- AUFGERUFEN VON: W_GEN_EDIT
- RUFTAUF: -
- BENUTZTE EINGABE-FENSTER -

W_HELP(HELP)

- ZWECK: DIE ROUTINE DIENT DEM AUFRUF INTERAKTIVER HILFE, WABE-HILFE, FLUGBEZOGENER INFORMATIONEN, ALLGEMEINER INFORMATIONEN
- AUFGERUFEN VON: FUNKTIONSTASTE <F1>
- RUFT AUF: W_HELP UNTERROUTINEN
- BENUTZTE EINGABE-FENSTER: W_INFO, W_I_GEN1 .. W_I_GEN4

W_HELP_AG (HELP AG)

- ZWECK: DIE UNTERROUTINE DIENT DEM AUFRUF ALLGEMEINER INFORMATIONEN
- AUFGERUFEN VON: W_HELP
- RUFT AUF: -
- BENUTZTE EINGABE-FENSTER: W_INFO1

W_HELP_APS(HELP APS)

- ZWECK: DIE UNTERROUTINE DIENT DEM AUFRUF ALLGEMEINER INFORMATIONEN
- AUFGERUFEN VON: W_HELP
- RUFT AUF: -
- BENUTZTE EINGABE-FENSTER: W_INFO1

W_HELP_APSE(HELP APS ENGLISH)

- ZWECK: DIE UNTERROUTINE DIENT DEM AUFRUF ALLGEMEINER INFORMATIONEN AUF ENGLISCH
- AUFGERUFEN VON: W_HELP
- RUFT AUF: -
- BENUTZTE EINGABE-FENSTER: W_INFO1

W_HELP_BOSTA(HELP BOSTA)

- ZWECK: DIE UNTERROUTINE DIENT DEM AUFRUF FLUGBEZOGENER INFORMATIONEN
- AUFGERUFEN VON: W_HELP
- RUFT AUF: -
- BENUTZTE EINGABE-FENSTER: W_INFO1

W_HELP_CI (HELP CITY INDEX)

- ZWECK: DIE UNTERROUTINE DIENT DEM AUFRUF ALLGEMEINER INFORMATIONEN
- AUFGERUFEN VON: W_HELP
- RUFT AUF: -
- BENUTZTE EINGABEFENSTER W_INFO1

W_HELP_FG (HELP FLIGHT GENERAL)

- ZWECK: DIE UNTERROUTINE DIENT DEM AUFRUF FLUGBEZOGENER INFORMATIONEN
- AUFGERUFEN VON: W_HELP
- RUFT AUF: -
- BENUTZTE EINGABEFENSTER W_INFO1

W_HELP_HEL (HELP HEL)

- ZWECK: DIE UNTERROUTINE DIENT DEM AUFRUF ALLGEMEINER INFORMATIONEN
- AUFGERUFEN VON: W_HELP
- RUFT AUF: -
- BENUTZTE EINGABEFENSTER W_INFO1

W_HELP_ILOS (HELP ILOS)

- ZWECK: DIE UNTERROUTINE DIENT DEM AUFRUF ALLGEMEINER INFORMATIONEN
- AUFGERUFEN VON: W_HELP
- RUFT AUF: -
- BENUTZTE EINGABEFENSTER W_INFO1

W_HELP_TB (HELP TB)

- ZWECK: DIE UNTERROUTINE DIENT DEM AUFRUF ALLGEMEINER INFORMATIONEN
- AUFGERUFEN VON: W_HELP
- RUFT AUF: -
- BENUTZTE EINGABEFENSTER W_INFO1

W_HOST_ACCESS (HOST ACCESS)

- ZWECK: DIE ROUTINE DIENT DEM DIREKTEN, UNGEFILTERTEN SENDEN EINZELNER TRANSAKTIONEN ZUM HOST
- AUFGERUFEN VON: FUNKTIONSTASTE <F10>
- RUFT AUF: W_SEND
- BENUTZTE EINGABEFENSTER W_HOST_A

W_PRINT (PRINT)

- ZWECK: DIE ROUTINE DIENT DEM AUSDRUCKEN DES INHALTS DES FENSTERS, IN WELCHEM ZULETZT HOSTDATEN AUSGEGEBEN WURDEN (A ODER B)
- AUFGERUFEN VON: FUNKTIONSTASTE <F12>
- RUFTAUF: -
- BENUTZTE EINGABE-FENSTER -

W_PROMPT (RESET WINDOW PROMPT)

- ZWECK: DIE ROUTINE DIENT DEM ZURÜCKSETZEN DES FENSTERS 'PROMPT'
- AUFGERUFEN VON: BELIEBIGEN SKRIPTS
- RUFTAUF: -
- BENUTZTE EINGABE-FENSTER -

W_START (START)

- ZWECK: DIE ROUTINE DIENT DEM SYSTEMSTARTVON GUIDE/WABE
- AUFGERUFEN VON: SYS_INIT
- RUFTAUF: W_SYSTEM, W_ASSIGN, W_FLT_LST
- BENUTZTE EINGABE-FENSTER -

W_SUBMENU (SUBMENU)

- ZWECK: DIE ROUTINE DIENT DEM AUFRUF DES TRANSAKTIONS-UNTERMENÜS
- AUFGERUFEN VON: FUNKTIONSTASTE <F8>
- RUFTAUF: -
- BENUTZTE EINGABE-FENSTER -

W_SUBMENU_2 (SUBMENU 2)

- ZWECK: DIE ROUTINE DIENT DEM AUFRUFDES SYSTEM-UNTERMENÜS
- AUFGERUFEN VON: FUNKTIONSTASTE <F9>
- RUFTAUF: -
- BENUTZTE EINGABE-FENSTER -

W_SUGGEST (SUGGEST NEXT TRANSACTION)

- ZWECK: DIE ROUTINE DIENT DEM AUFRUFDER INTERAKTIVEN HILFE
- AUFGERUFEN VON: W_HELP
- RUFTAUF: -
- BENUTZTE EINGABE-FENSTER W_I_S1 BIS W_I_S7

W_SYSTEM (SYSTEM)

- ZWECK: DIE ROUTINE DIENT DEM AUFRUFDES SYSTEM-MENÜS
- AUFGERUFEN VON: FUNKTIONSTASTE <F10>
- RUFTAUF: AMADEUS, GENERIC_DATEPLUS
- BENUTZTE EINGABE-FENSTER: W_SYSTEM, W_PRN_A, W_PRN_D

W_UPDATE_CA (UPDATE CONTROLACTION)

- ZWECK: DIE ROUTINE DIENT DER AKTUALISIERUNG DER CA-VARIABLEN
- AUFGERUFEN VON: W_FLT_1.. W_FLT_8
- RUFTAUF: -
- BENUTZTE EINGABE-FENSTER: -

W_WCK (WCK)

- ZWECK: DIE ROUTINE DIENT DER AUSFÜHRUNG DER WCK-TRANSAKTION
- AUFGERUFEN VON: FUNKTIONSTASTE <F4> AUF DEM *MAIN KEYPAD* (HAUPTMENÜLEISTE)
- RUFTAUF: W_WCK_CH, W_WCK_FILL, W_WCK_MASK_CH, W_WCK_SEND
- BENUTZTE EINGABE-FENSTER: W_WCK_11.. W_WCK_13

W_WCK_CH (WCK CHECK)

- ZWECK: DIE UNTERROUTINE DIENT DER ÜBERPRÜFUNG DER WCK-EINGABEFENSTER
- AUFGERUFEN VON: W_WCK
- RUFTAUF: W_DELAY, W_FU_DI
- BENUTZTE EINGABE-FENSTER: -

W_WCK_FILL(WCK FILL)

- ZWECK: DIE UNTERROUTINE DIENT DEM EINLESEN UND AUSFÜLLEN VON DEN VARIABLEN DER WCK-TRANSAKTION
- AUFGERUFEN VON: W_WCK
- RUFTAUF: -
- BENUTZTE EINGABE-FENSTER: -

W_WCK_MASK_CH (WCK MASK CHECK)

- ZWECK: DIE UNTERROUTINE DIENT DER BESTIMMUNG, WELCHES EINGABEFENSTER DER WCK-TRANSAKTION AUFZURUFEN IST
- AUFGERUFEN VON: W_WCK
- RUFT AUF: -
- BENUTZTE EINGABEFENSTER -

W_WCK_SEND (WCK SEND)

- ZWECK: DIE UNTERROUTINE DIENT DEM SENDEN DER WCK-TRANSAKTION ZUM HOST
- AUFGERUFEN VON: W_WCK
- RUFT AUF: -
- BENUTZTE EINGABEFENSTER -

W_ WCM (WCM)

- ZWECK: DIE ROUTINE DIENT DER AUSFÜHRUNG DER WCM TRANSAKTION
- AUFGERUFEN VON: FUNKTIONSTASTE <F3> AUF DEM TRANSAKTIONS-UNTERMENÜ
- RUFT AUF: -
- BENUTZTE EINGABEFENSTER -

W_WDF (WDF)

- ZWECK: DIE ROUTINE DIENT DER AUSFÜHRUNG DER WDF TRANSAKTION
- AUFGERUFEN VON: FUNKTIONSTASTE <F5> AUF DEM *MAIN KEYPAD* (HAUPTMENÜ)
- RUFT AUF: W_WDF_CH, W_WDF_FILL,
- BENUTZTE EINGABEFENSTER W_WDF, W_WDF_TT

W_ WDF_CH (WDF CHECK)

- ZWECK: DIE UNTERROUTINE DIENT DER ÜBERPRÜFUNG DER WDF-EINGABEFENSTER
- AUFGERUFEN VON: W_WDF
- RUFT AUF: -
- BENUTZTE EINGABEFENSTER -

W_ WDF_FILL(WDF FILL)

- ZWECK: DIE UNTERROUTINE DIENT DEM EINLESEN UND AUSFÜLLEN VON DEN VARIABLEN DER WDF-TRANSAKTION
- AUFGERUFEN VON: W_WDF
- RUFT AUF: -
- BENUTZTE EINGABEFENSTER -

W_WES (WES)

- ZWECK: DIE ROUTINE DIENT DER AUSFÜHRUNG DER WES-TRANSAKTION
- AUFGERUFEN VON: FUNKTIONSTASTE <F3> AUF DEM *MAIN KEYPAD (HAUPTMENÜ)*
- RUFTAUF: W_WES_FILL, W_WES_INIT, W_WES_INPUT, W_WES_REGIST, W_WES_SEND..W_WES_SEND2
- BENUTZTE EINGABEFENSTER: W_WES, W_WES_A1 .. W_WES_A3, W_WES_AC, W_DOWI, W_WES_E1 .. W_WES_E3, W_WES_GR, W_WES_VR

W_WES_FILL (WES FILL)

- ZWECK: DIE UNTERROUTINE DIENT DEM EINLESEN UND AUSFÜLLEN VON DEN VARIABLEN DER WES-TRANSAKTION
- AUFGERUFEN VON: W_WES
- RUFTAUF: -
- BENUTZTE EINGABEFENSTER: -

W_ WES__INIT (WES INIT)

- ZWECK: DIE UNTERROUTINE DIENT DEM ZURÜCKSETZEN DER WES-VARIABLEN
- AUFGERUFEN VON: W_WES
- RUFTAUF: -
- BENUTZTE EINGABEFENSTER: -

W_ WES_INPUT (WES INPUT)

- ZWECK: DIE UNTERROUTINE DIENT DER ÜBERPRÜFUNG DER WES-EINGABEFENSTERN
- AUFGERUFEN VON: W_WES
- RUFTAUF: -
- BENUTZTE EINGABEFENSTER: -

W_WES_REGIST (WES REGISTRATION)

- ZWECK: DIE UNTERROUTINE DIENT DER ÄNDERUNG DER FLUGZEUGREGISTRATION
- AUFGERUFEN VON: W_WES
- RUFTAUF: -
- BENUTZTE EINGABEFENSTER: W_WES_VR

W_WES_SEND, W_WES_SEND1, W_WES_SEND2 (WES SEND)

- ZWECK: DIE UNTERROUTINEN DIENEN DEM SENDEN DER EINGABEN DER WES-TRANSAKTION ZUM HOST
- AUFGERUFEN VON: W_WES
- RUFTAUF: W_CHECK_ER
- BENUTZTE EINGABE-FENSTER: -

W_WFM (WFM)

- ZWECK: DIE ROUTINE DIENT DER AUSFÜHRUNG DER WFM-TRANSAKTION
- AUFGERUFEN VON: FUNKTIONSTASTE <F2> AUF DEM *MAIN KEYPAD (HAUPTMENÜ)*
- RUFTAUF: W_WFM_CH, W_WFM_READ_CA, W_UPDATE_CA
- BENUTZTE EINGABE-FENSTER: W_WFM, W_WFM_1

W_WFM_CH (WFM CHECK)

- ZWECK: DIE UNTERROUTINE DIENT DER ÜBERPRÜFUNG DER EINGABE IM WFM-EINGABEFENSTER
- AUFGERUFEN VON: W_WFM
- RUFTAUF: -
- BENUTZTE EINGABE-FENSTER: -

W_WFM_FAST (WFM FAST)

- ZWECK: DIE UNTERROUTINE DIENT DER SCHNELLEN AUSFÜHRUNG DER WFM-TRANSAKTION
- AUFGERUFEN VON: TASTE <^>
- RUFTAUF: W_WFM, W_UPDATE_CA
- BENUTZTE EINGABE-FENSTER: W_WFM_1

W_WFM_READ_CA (WFM READ CONTROLACTION)

- ZWECK: DIE UNTERROUTINE DIENT DEM SETZEN DER VARIABLEN W_ACT_FLT_CA JE NACH ZULETZT AUSGEFÜHRTER WFM-KONTROLLAKTION (1-10)
- AUFGERUFEN VON: WFM
- RUFTAUF: W_UPDATE_CA
- BENUTZTE EINGABE-FENSTER: -

W_WFO (WFO)

- ZWECK: DIE ROUTINE DIENT DER AUSFÜHRUNG DER WFO-TRANSAKTION
- AUFGERUFEN VON: FUNKTIONSTASTE <F2> AUF DEM TRANSAKTIONS-UNTERMENÜ
- RUFTAUF: W_WFO_CH, W_WFO_FILL
- BENUTZTE EINGABEFENSTER: W_WFO1

W_WFO_CH (WFO CHECK)

- ZWECK: DIE UNTERROUTINE DIENT DER EINGABEÜBERPRÜFUNG DER WFO-TRANSAKTION
- AUFGERUFEN VON: W_WFO
- RUFTAUF: -
- BENUTZTE EINGABEFENSTER: -

W_WFO_FILL(WFO FILL)

- ZWECK: DIE UNTERROUTINE DIENT DEM EINLESEN UND AUSFÜLLEN DER WFO-TRANSAKTION
- AUFGERUFEN VON: W_WFO
- RUFTAUF: -
- BENUTZTE EINGABEFENSTER: -

W_WIN (WINDOW)

- ZWECK: DIE ROUTINE DIENT DER BESTIMMUNG DES AKTIVEN AUSGABEFENSTERS
- AUFGERUFEN VON: TASTENKOMBINATION ALT+<F10>
- RUFTAUF: -
- BENUTZTE EINGABEFENSTER: -

W_WLD (WLD)

- ZWECK: DIE ROUTINE DIENT DER AUSFÜHRUNG DER WLD-TRANSAKTION
- AUFGERUFEN VON: FUNKTIONSTASTE <F6> AUF DEM *MAIN KEYPAD (HAUPTMENÜ*
- RUFTAUF: -
- BENUTZTE EINGABEFENSTER: W_WLD, W_WLD_OT

W_WLP (WLP)

- ZWECK: DIE ROUTINE DIENT DER AUSFÜHRUNG DER WLP-TRANSAKTION
- AUFGERUFEN VON: FUNKTIONSTASTE <F7> AUF DEM *MAIN KEYPAD (HAUPTMENÜ*
- RUFTAUF: W_WLP_FILL, W_WLP_SEND, W_WLP_NON_ULD
- BENUTZTE EINGABEFENSTER: W_WLP_1 .. W_WLP_4

W_WLP_FILL (WLP FILL)

- ZWECK: DIE UNTERROUTINE DIENT DEM EINLESEN UND AUSFÜLLEN DER WLP-TRANSAKTION FÜR ULD A/C
- AUFGERUFEN VON: W_WLP
- RUFTAUF: W_WLP_FILL_BULK, W_WLP_FILL_PN, W_WLP_FILL_PAL, W_WLP_PRESET, W_WLP_PRESET_MD, W_WLP_SET, W_WLP_SET_MD
- BENUTZTE EINGABEFENSTER: -

W_WLP_FILL_BULK (WLP FILLBULK)

- ZWECK: DIE UNTERROUTINE DIENT DEM EINLESEN UND AUSFÜLLEN VON VARIABLEN DER WLP-TRANSAKTION FÜR ULD A/C
- AUFGERUFEN VON: W_WLP_FILL
- RUFTAUF: -
- BENUTZTE EINGABEFENSTER: -

W_WLP_FILL_PN (WLP FILLPAGE NEXT [MAINDECK])

- ZWECK: DIE UNTERROUTINE DIENT DEM EINLESEN UND AUSFÜLLEN VON VARIABLEN DER WLP-TRANSAKTION FÜR ULD A/C
- AUFGERUFEN VON: W_WLP_FILL
- RUFTAUF: -
- BENUTZTE EINGABEFENSTER: -

W_WLP_NON_ULD (WLP NON ULD)

- ZWECK: DIE UNTERROUTINE DIENT DER AUSFÜHRUNG DER WLP-TRANSAKTION FÜR NON-ULD A/C
- AUFGERUFEN VON: W_WLP
- RUFTAUF: W_WLP_N_FILL, W_WLP_N_INIT, W_WLP_N_SEND
- BENUTZTE EINGABEFENSTER: W_WLP_N .. W_WLP_N4

W_WLP_N_FILL(WLP NON ULD FILL)

- ZWECK: DIE UNTERROUTINE DIENT DEM EINLESEN UND AUSFÜLLEN VON VARIABLEN DER WLP-TRANSAKTION FÜRNON-ULD A/C
- AUFGERUFEN VON: W_WLP_NON_ULD
- RUFTAUF: -
- BENUTZTE EINGABE-FENSTER -

W_WLP_N_INIT (WLP NON ULD INIT)

- ZWECK: DIE UNTERROUTINE DIENT DEM ZURÜCKSETZEN VON VARIABLEN DER WLP-TRANSAKTION FÜR NON-ULD A/C AUF NULL
- AUFGERUFEN VON: W_WLP_NON_ULD
- RUFTAUF: -
- BENUTZTE EINGABE-FENSTER -

W_WLP_N_SEND (WLP NON ULD SEND)

- ZWECK: DIE UNTERROUTINE DIENT DEM SENDEN DER WLP-TRANSAKTION FÜRNON-ULD A/C ZUM HOST
- AUFGERUFEN VON: W_WLP_NON_ULD
- RUFTAUF: -
- BENUTZTE EINGABE-FENSTER -

W_WLP_PAL (WLP PALETTES)

- ZWECK: DIE UNTERROUTINE DIENT DEM EINLESEN UND AUSFÜLLEN VON VARIABLEN DER WLP-TRANSAKTION FÜRULD A/C
- AUFGERUFEN VON: W_WLP_FILL
- RUFTAUF: -
- BENUTZTE EINGABE-FENSTER -

W_WLP_PRESET(WLP PRESET)

- ZWECK: DIE UNTERROUTINE DIENT DEM ZURÜCKSETZEN VON VARIABLEN DER WLP-TRANSAKTION FÜRULD A/C AUF NULL
- AUFGERUFEN VON: W_WLP_FILL
- RUFTAUF: -
- BENUTZTE EINGABE-FENSTER -

W_WLP_PRESET_MD (WLP PRESET MAINDECK VARIABLES)

- ZWECK: DIE UNTERROUTINE DIENT DEM ZURÜCKSETZEN VON VARIABLEN DER WLP-TRANSAKTION FÜRULD A/C
- AUFGERUFEN VON: W_WLP_FILL
- RUFTAUF: -
- BENUTZTE EINGABEFENSTER -

W_WLP_SEND (WLP SEND)

- ZWECK: DIE UNTERROUTINE DIENT DEM SENDEN DER WLP-TRANSAKTION FÜRULD A/C ZUM HOST
- AUFGERUFEN VON: W_WLP
- RUFTAUF: -
- BENUTZTE EINGABEFENSTER -

W_WLP_SEND_B_CH (WLP SEND BULKCHECK)

- ZWECK: DIE UNTERROUTINE DIENT DER ÜBERPRÜFUNG, WELCHE BULK-VARIABLEN DER WLP-TRANSAKTION FÜR ULD A/C ZUM HOST GESENDET WERDEN
- AUFGERUFEN VON: W_WLP_SEND
- RUFTAUF: -
- BENUTZTE EINGABEFENSTER -

W_WLP_SEND_CH (WLP SEND CHECK)

- ZWECK: DIE UNTERROUTINE DIENT DER ÜBERPRÜFUNG, WELCHE LOWER DECK-VARIABLEN DER WLP-TRANSAKTION FÜR ULD A/C ZUM HOSTGESENDET WERDEN
- AUFGERUFEN VON: W_WLP_SEND
- RUFTAUF: -
- BENUTZTE EINGABEFENSTER -

W_WLP_SEND_M_CH (WLP SEND MAINDECK CHECK)

- ZWECK: DIE UNTERROUTINE DIENT DER ÜBERPRÜFUNG, WELCHE MAINDECK-VARIABLEN DER WLP-TRANSAKTION FÜRULD A/C ZUM HOSTGESENDET WERDEN
- AUFGERUFEN VON: W_WLP_SEND
- RUFTAUF: -
- BENUTZTE EINGABEFENSTER -

W_WLP_SET(WLP SET)

- ZWECK: DIE UNTERROUTINE DIENT DEM ZURÜCKSETZEN VON VARIABLEN DER WLP-TRANSAKTION FÜRULD A/C
- AUFGERUFEN VON: W_WLP_FILL
- RUFTAUF: -
- BENUTZTE EINGABEFENSTER -

W_WLP_SET_MD (WLP SET MAINDECK)

- ZWECK: DIE UNTERROUTINE DIENT DEM ZURÜCKSETZEN VON VARIABLEN DER WLP-TRANSAKTION FÜRULD A/C
- AUFGERUFEN VON: W_WLP_FILL
- RUFTAUF: -
- BENUTZTE EINGABEFENSTER -

W_WLPL(WLPL)

- ZWECK: DIE ROUTINE DIENT DER AUSFÜHRUNG DER WLPL-TRANSAKTION
- AUFGERUFEN VON: FUNKTIONSTASTE <F4> AUF DEM TRANSAKTIONS-UNTERMENÜ
- RUFTAUF: -
- BENUTZTE EINGABEFENSTER -

BESCHREIBUNG DER EINGABEFENSTER(*POPUPS*)

JEDER EINTRAG BESTEHT AUS DEM NAME DES FENSTERS, EINER FUNKTIONSBESCHREIBUNG UND DEM NAMEN DER AUFRUFENDEN ROUTINE.

W_DOWI

- ZWECK: DIENT DER EINGABE VON DOW UND DOI UNTER WES
- AUFGERUFEN VON: W_WES

W_ENTER

- ZWECK: DIENT DEM FREIHALTEN DES BILDSCHIRMS FÜR DIE DATENAUSGABE (NACH DEM BETÄTIGEN VON RETURN ERSCHEINT ERNEUT DAS VORHERIGE EINGABEFENSTER)
- AUFGERUFEN VON: W_WES, W_HELP

W_FLT_AS (FLIGHT ASSIGN

- ZWECK: ZEIGT EINE FLUGÜBERSICHT MIT KONTROLLAKTIONEN AN
- AUFGERUFEN VON: W_FLT_LST

W_HOST_A (Host Access)

- ZWECK: DIENT DER EINGABE EINER BELIEBIGEN HOST-TRANSAKTION, DIE NUR ANGEZEIGT WIRD UND NICHT WEITER BEARBEITET WERDEN KANN
- AUFGERUFEN VON: W_HOST_ACCESS

W_INFO

- Zweck: zeigt das Hilfemenü mit allen Wahlmöglichkeiten an
- aufgerufen von: W_HELP

W_INFO1

- ZWECK: DIENT DER EINGABE DER INFORMATIONSTRANSAKTIONEN
- AUFGERUFEN VON: W_HELP OPTION 3 BIS 16

W_I_GEN1 .. W_I_GEN4 (GENERAL INFO)

- ZWECK: ZEIGT ALLGEMEINE HILFESEITEN ZUM SYSTEM AN
- AUFGERUFEN VON: W_HELP OPTION 1

W_I_SOA .. W_I_S7 (INTERACTIVE HELP STEPS 0 TO 7)

- ZWECK: GIBT INTERAKTIVE HILFE ZUM AKTUELLEN ABFERTIGUNGSSTAND AUS
- AUFGERUFEN VON: W_HELP OPTION 2

W_PRN_A (PRINTERATTACH)

- ZWECK: DIENT DER ZUORDNUNG DES DRUCKERS
- AUFGERUFEN VON: W_SYSTEM

W_PRN_D (PRINTERDETACH)

- ZWECK: DIENT DER AUFHEBUNG DER DRUCKERZUORDNUNG
- AUFGERUFEN VON: W_SYSTEM

W_SEND

- ZWECK: DIENT DEM ZEILENWEISEN SENDEN VON MASKENTRANSAKTIONEN
- AUFGERUFEN VON: W_GEN_EDIT

W_SYSTEM

- ZWECK: ZEIGT DAS SYSTEMAUSWAHLMENÜ AN
- AUFGERUFEN VON: W_SYSTEM

W_WCK_11.. W_WCK_13

- ZWECK: DIENT DER EINGABE DER DATEN FÜRDIE WCK-TRANSAKTION
- AUFGERUFEN VON: W_WCK

W_WDF (WDF), **W_WDF_TT** (TAILTANK)

- ZWECK: DIENT DER EINGABE DER DATEN FÜRDIE WDF-TRANSAKTION
- AUFGERUFEN VON: W_WDF

W_WES, W_WES_AC, W_WES_A1.. W_WES_A3, W_WES_E1.. W_WES_E3

- ZWECK: DIENT DER EINGABE DER DATEN FÜRDIE WES-TRANSAKTION
- AUFGERUFEN VON: W_WES

W_WES_VR

- ZWECK: DIENT DER EINGABE EINER NEUEN REGISTRATION
- AUFGERUFEN VON: W_WES

W_WFM, W_WFM_1

- ZWECK: DIENT DER EINGABE VON DATEN FÜRDIE WFM-TRANSAKTION
- AUFGERUFEN VON: W_WFM

W_WFM_FL (FLIGHT LIST)

- ZWECK: ZEIGT EINE ÜBERSICHT ALLER FLUGNUMMERN UND DEREN KONTROLLAKTIONEN AN
- AUFGERUFEN VON: W_WFM

W_WFO1

- ZWECK: DIENT DER DATENEINGABE FÜRDIE WFO-TRANSAKTION
- AUFGERUFEN VON: W_WFO

W_WLD

- ZWECK: DIENT DER DATENEINGABE FÜRDIE WLD-TRANSAKTION
- AUFGERUFEN VON: W_WLD

W_WLD_OT

- ZWECK: DIENT DER DATENEINGABE FÜR DIE WLDD- UND WLDN-TRANSAKTIONEN
- AUFGERUFEN VON: W_WLD

W_WLP_1 .. W_WLP_4

- ZWECK: DIENT DER DATENEINGABE FÜRDIE WLP-TRANSAKTIONEN ZU ULD A/C
- AUFGERUFEN VON: W_WLP

W_WLP_N .. W_WLP_N4

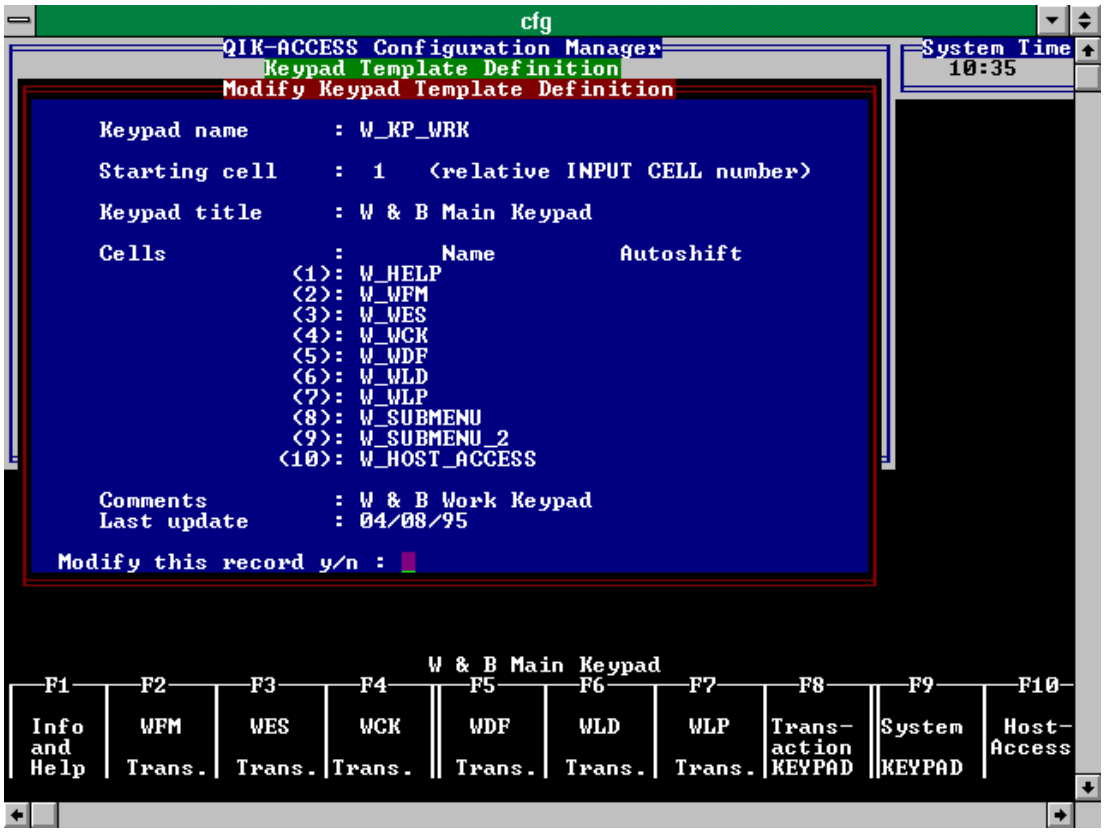
- ZWECK: DIENT DER DATENEINGABE FÜRDIE WLP-TRANSAKTIONEN ZU NON_ULD A/C
- AUFGERUFEN VON: W_WLP_N

BESCHREIBUNG DER KEYPADS

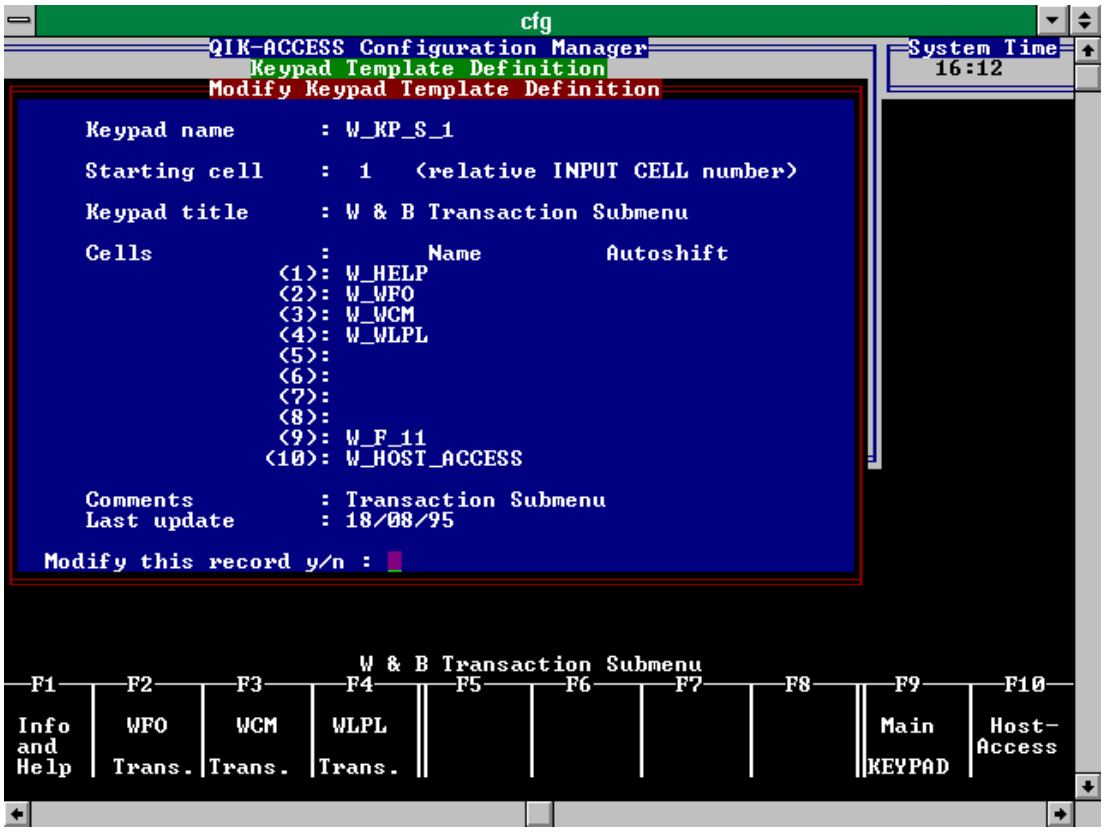
GUIDE/WABE BENUTZT LEDIGLICH VIER KEYPADS:

DAS ERSTE KEYPAD (DAS *MAIN KEYPAD*) BIETET FOLGENDES:

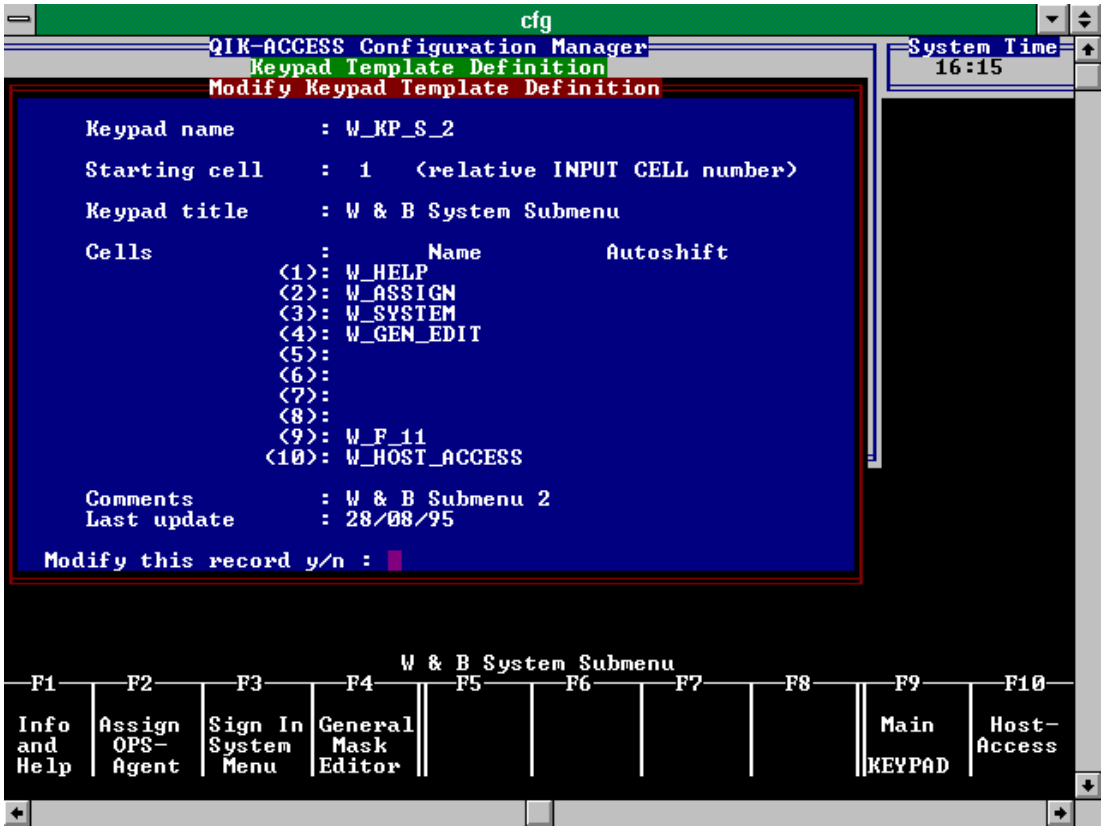
1. ALLE HAUPTFUNKTIONEN DES SYSTEMS,
2. EINEN ÜBERGANG ZU DEN UNTERMENÜS,
3. EIN HILFESYSTEM.



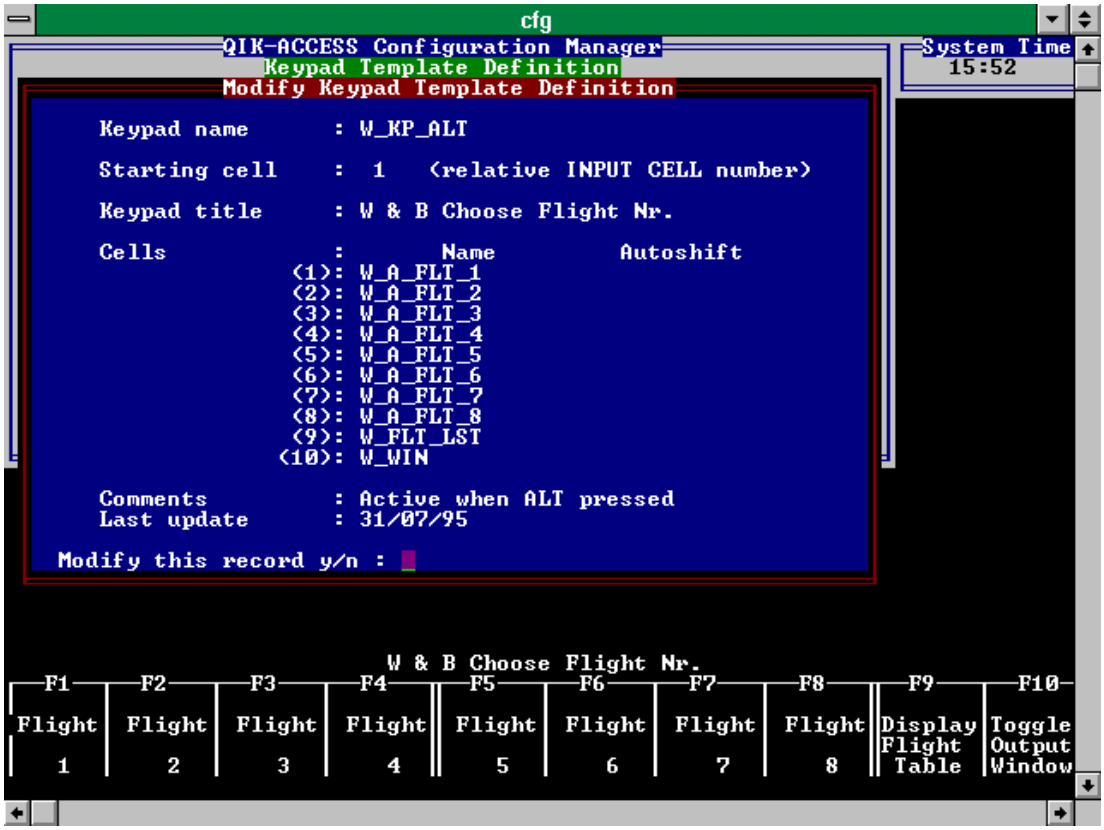
1. DAS ZWEITE KEYPAD (*TRANSACTION SUBMENU*) ERMÖGLICHT DEN ZUGRIFF AUF WEITERE, WENIGER HÄUFIG BENUTZTE FUNKTIONEN. ZUDEM SIND DIE IN WABE ÜBERALL ZUGÄNGLICHEN, BENUTZUNGSUNTERSTÜTZENDEN FUNKTIONEN WIE Z.B. DAS HILFESYSTEM AUFRUFBAR.



DAS DRITTE KEYPAD (*SYSTEM SUBMENU*) BIETET SYSTEMUNTERSTÜTZENDE SOWIE DIE ÜBERALLZUGÄNGLICHEN BENUTZUNGSUNTERSTÜTZENDEN FUNKTIONEN.



DAS VIERTE KEYPAD (*CHOOSE FLIGHT NR*) ENTHÄLT DIE VERWALTUNG DER FLUGNUMMERN UND EINE FUNKTION ZUR BESTIMMUNG DES AUSGABEFENSTERS.



BENUTZTE VARIABLEN

DIE IN DER FOLGENDEN TABELLE AUFGELISTETEN VARIABLEN FINDEN IN GUIDE/WABE VERWENDUNG. FÜRWEITERE INFORMATIONEN MUSS LEDIGLICH IN MENÜPUNKT 3 (*DATA ITEMS*) DES *CONFIGURATION MANAGERS* DER JEWEILIGE VARIABLENNAME EINGEGEBEN WERDEN. WÄHLT MAN ANSCHLIESSEND DEN PUNKT ´ÄNDERN´, ERSCHEINEN ALLE ZU VARIABLE GESPEICHERTEN DATEN AUF DEM BILDSCHIRM.

W_A/C_TYPE
W_ACT_FLT
W_ACT_FLT_CA
W_ACT_FLT_CAC
W_ACT_FLT_NR
W_ACT_FLTC
W_ALPHA
W_ASSIGN
W_CHAR
W_CHECK_ER_23
W_COL
W_COUNT
W_CUR_KEYPAD
W_D_1
W_D_2
W_D_3
W_D_4
W_D_5
W_D_6
W_D_7
W_D_8
W_DAY
W_ERROR
W_F_1
W_F_2
W_F_3
W_F_4
W_F_5
W_F_6
W_F_7
W_F_8
W_FLT_1
W_FLT_1C
W_FLT_1CA
W_FLT_1CAC
W_FLT_2
W_FLT_2C
W_FLT_2CA
W_FLT_2CAC
W_FLT_3
W_FLT_3C
W_FLT_3CA
W_FLT_3CAC
W_FLT_4
W_FLT_4C
W_FLT_4CA
W_FLT_4CAC
W_FLT_5
W_FLT_5C
W_FLT_5CA
W_FLT_5CAC
W_FLT_6
W_FLT_6C
W_FLT_6CA
W_FLT_6CAC
W_FLT_7
W_FLT_7C
W_FLT_7CA
W_FLT_7CAC
W_FLT_8
W_FLT_8C
W_FLT_8CA
W_FLT_8CAC
W_GEN_SOE_FOUND
W_GEN_TRANS1
W_GEN_TRANS2
W_HELP_FLT
W_HILF1
W_HILF2
W_HILF3
W_HILF4
W_INFO_ACTION
W_INFO_INDEX
W_LABEL
W_LEN
W_LINE
W_LINE0
W_LINE1
W_LINE2
W_LINE3
W_MONTH
W_NAME
W_NUMBER
W_PHONE
W_POS
W_PRN
W_REGISTRATION
W_ROW
W_SEND
W_SEND_1
W_SEND_2
W_SEND_3
W_SEND_4
W_SEND_5
W_SEND_6
W_SEND_END
W_SEND_LINE
W_SEND_LINEC
W_SEND_LINEC_L2
W_SEND_LINEC_L3
W_SEND_LINEC_L4
W_SEND_LINEC_L5
W_SEND_LINEC_L6
W_SEND_PN
W_SEND_POS
W_SEND_START
W_SEND_STRING
W_SI
W_SLACK
W_TABLE
W_TEMP
W_TEMP1
W_TEMP2
W_TIME
W_TIME_FLIGHT
W_TIME_TEMP
W_TIME1
W_VERSION
W_WCK_AM_1
W_WCK_BAG_OPTION
W_WCK_CAB_1
W_WCK_CAP_A10
W_WCK_CAP_A11

W_WCK_CAP_A12
W_WCK_CAP_A2
W_WCK_CAP_A3
W_WCK_CAP_A4
W_WCK_CAP_A5
W_WCK_CAP_A6
W_WCK_CAP_A7
W_WCK_CAP_A8
W_WCK_CAP_A9
W_WCK_CAP_B1
W_WCK_CAP_B10
W_WCK_CAP_B11
W_WCK_CAP_B12
W_WCK_CAP_B2
W_WCK_CAP_B3
W_WCK_CAP_B4
W_WCK_CAP_B5
W_WCK_CAP_B6
W_WCK_CAP_B7
W_WCK_CAP_B8
W_WCK_CAP_B9
W_WCK_CHD_1
W_WCK_CS
W_WCK_CS_1
W_WCK_DIFF_UNDIS
W_WCK_DIS
W_WCK_DIS_1
W_WCK_DIS_10
W_WCK_DIS_11
W_WCK_DIS_12
W_WCK_DIS_2
W_WCK_DIS_3
W_WCK_DIS_4
W_WCK_DIS_5
W_WCK_DIS_6
W_WCK_DIS_7
W_WCK_DIS_8
W_WCK_DIS_9
W_WCK_DISTRIBUT
W_WCK_FEM_1
W_WCK_IN_1
W_WCK_L1
W_WCK_L2
W_WCK_L3
W_WCK_LINE
W_WCK_LINE_2
W_WCK_LINE4
W_WCK_LINE5
W_WCK_LINE6
W_WCK_NR_AP
W_WCK_NR_CL
W_WCK_PCS_1
W_WCK_SEC_1
W_WCK_SEC_10
W_WCK_SEC_11
W_WCK_SEC_12
W_WCK_SEC_2
W_WCK_SEC_3
W_WCK_SEC_4
W_WCK_SEC_5
W_WCK_SEC_6
W_WCK_SEC_7
W_WCK_SEC_8
W_WCK_SEC_9
W_WCK_SUM_1
W_WCK_WGHT_1
W_WDF_ACTTOF
W_WDF_ACTTOF1
W_WDF_EZFW
W_WDF_FZFW
W_WDF_FZFW1
W_WDF_MINTOF
W_WDF_MINTOF1
W_WDF_PCFT
W_WDF_PCFT1
W_WDF_REMARKS
W_WDF_REMARKS1
W_WDF_TAILTANK
W_WDF_TAILTANK1
W_WDF_TAXI
W_WDF_TAXI1
W_WDF_TRIP
W_WDF_TRIP1
W_WES_ADJ_MLAW
W_WES_ADJ_MTOW
W_WES_ADJ_MZFW
W_WES_BAG
W_WES_BAG1
W_WES_CAB
W_WES_CDWI1
W_WES_CDWI11
W_WES_CDWI111
W_WES_CDWI2
W_WES_CDWI21
W_WES_CDWI211
W_WES_CDWI3
W_WES_CDWI31
W_WES_CDWI311
W_WES_CGO
W_WES_CRW
W_WES_CRW1
W_WES_CRW11
W_WES_DOI
W_WES_DOWI
W_WES_DOWI1
W_WES_DOWI31
W_WES_EIC
W_WES_GRP
W_WES_LINE
W_WES_LITOW
W_WES_LIZFW
W_WES_MAIL
W_WES_MLAW
W_WES_MTOW
W_WES_MZFW
W_WES_PAX
W_WES_PAX1
W_WES_PBT
W_WES_PBT1
W_WES_PBT11
W_WES_POP
W_WES_TARE
W_WES_TRP
W_WES_TRP1
W_WES_WATER
W_WFM_1
W_WFM_ACTION
W_WFM_ACTIONC
W_WFO_A1
W_WFO_A2
W_WFO_A3
W_WFO_A4
W_WFO_A5
W_WFO_A6
W_WFO_A7
W_WFO_A8
W_WFO_STYPE
W_WFO_T1
W_WFO_T2
W_WFO_T3
W_WFO_T4
W_WFO_T5
W_WFO_T6
W_WFO_T7
W_WFO_TRANSIT
W_WIN
W_WLD_DST
W_WLD_KG
W_WLD_LC
W_WLD_NR

W_WLD_ORG
W_WLD_OTHER
W_WLD_REMARKS
W_WLD_SPEZIAL
W_WLD_ULD
W_WLP_101
W_WLP_102
W_WLP_103
W_WLP_104
W_WLP_105
W_WLP_106
W_WLP_107
W_WLP_108
W_WLP_109
W_WLP_110
W_WLP_111
W_WLP_112
W_WLP_113
W_WLP_114
W_WLP_115
W_WLP_116
W_WLP_117
W_WLP_118
W_WLP_201
W_WLP_202
W_WLP_203
W_WLP_204
W_WLP_205
W_WLP_206
W_WLP_207
W_WLP_208
W_WLP_209
W_WLP_210
W_WLP_211
W_WLP_212
W_WLP_213
W_WLP_214
W_WLP_215
W_WLP_216
W_WLP_217
W_WLP_218
W_WLP_301
W_WLP_302
W_WLP_303
W_WLP_304
W_WLP_305
W_WLP_306
W_WLP_307
W_WLP_308
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W_WLP_315
W_WLP_316
W_WLP_317
W_WLP_318
W_WLP_401
W_WLP_402
W_WLP_403
W_WLP_404
W_WLP_405
W_WLP_406
W_WLP_407
W_WLP_408
W_WLP_409
W_WLP_410
W_WLP_411
W_WLP_412
W_WLP_413
W_WLP_414
W_WLP_415
W_WLP_416
W_WLP_417
W_WLP_418
W_WLP_B_11
W_WLP_B_12
W_WLP_B_13
W_WLP_B_21
W_WLP_B_22
W_WLP_B_23
W_WLP_B_31
W_WLP_B_32
W_WLP_B_33
W_WLP_B_41
W_WLP_B_42
W_WLP_B_43
W_WLP_B_51
W_WLP_B_52
W_WLP_B_53
W_WLP_M_101
W_WLP_M_102
W_WLP_M_103
W_WLP_M_104
W_WLP_M_105
W_WLP_M_106
W_WLP_M_107
W_WLP_M_108
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W_WLP_M_113
W_WLP_M_114
W_WLP_M_115
W_WLP_M_116
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W_WLP_M_118
W_WLP_M_201
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W_WLP_M_215
W_WLP_M_216
W_WLP_M_217
W_WLP_M_218
W_WLP_M_301
W_WLP_M_302
W_WLP_M_303
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W_WLP_M_313
W_WLP_M_314
W_WLP_M_315
W_WLP_M_316
W_WLP_M_317
W_WLP_M_318
W_WLP_M_401
W_WLP_M_402
W_WLP_M_403
W_WLP_M_404

W_WLP_M_405
W_WLP_M_406
W_WLP_M_407
W_WLP_M_408
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W_WLP_M_415
W_WLP_M_416
W_WLP_M_417
W_WLP_M_418
W_WLP_N_25
W_WLP_N_26
W_WLP_N_27
W_WLP_N_28
W_WLP_N_29
W_WLP_N_32
W_WLP_N_33
W_WLP_N_34
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W_WLP_N_58
W_WLP_N_59
W_WLP_N_63
W_WLP_N_64
W_WLP_N_65
W_WLP_N_66
W_WLP_N_67
W_WLP_N_68
W_WLP_N_69
W_WLP_N_BAG
W_WLP_N_LINE
W_WLP_N_LINE2
W_WLP_N_PAX
W_WLP_N_POP
W_WLP_NR
W_WLP_P_11
W_WLP_P_12
W_WLP_P_13
W_WLP_P_21
W_WLP_P_22
W_WLP_P_32
W_WLP_P_51
W_WLP_P_52
W_WLP_P_53
W_WLP_PN
W_WLP_POS_1
W_WLP_POS_2
W_WLP_POS_3
W_WLP_POS_4
W_WLP_POS_5
W_YEAR
WCK_CAP_A1
YES_NO
YES_NO1
YES_NO2
YES_NO3

Anhang

- Quellcodes allerSkripts
- Quellcodes der Batch-Dateien auf der Installationsdiskette
- Liste der fürein lauffähiges GUIDE/WABE benötigten Dateien

```
*
* script: W_ASSIGN
*
* Assign OPS-Agent
* called by W_START or Keypad Cell W_ASSIGN
*
************************************************************

* Input of Name, Table, Telephone-Nr.

if %1 = 'test'
  goto 'test'
endif

label 'read_ops'
call 'w_fu_pu' 'w_flt_as'
* even if ESC has been pressed, clear window 'prompt'
call 'w_prompt'
call 'w_fu_pu_ch'

label 'test'
di_length w_name w_len w_slack
if w_len < '3'
  clear window 'prompt'
  display 'prompt' '0' '0' red 'Please type at least three letters'
  set cursor_position 'w_name'
  goto 'read_ops'
endif
if w_table <> ''
  di_length w_phone w_len w_slack * read length of phone nr.
  if w_len < '2'
    clear window 'prompt'
    display 'prompt' '0' '0' red 'Please type at least two letters'
    set cursor_position 'w_phone'
    goto 'read_ops'
  endif
endif
if w_phone <> ''
di_length w_phone w_len w_slack
  if w_len < '2'
    clear window 'prompt'
    display 'prompt' '0' '0' red 'Phone nr. too short'
    set cursor_position 'w_phone'
    goto 'read_ops'
  endif
  if w_table = ''
    clear window 'prompt'
    display 'prompt' '0' '0' red 'Enter table or delete phone nr.'
    set cursor_position 'w_table'
    goto 'read_ops'
  endif
endif

call 'w_prompt'
```

```
************************************************
* subroutine: W_CHECK_CA
*  called by: w_wes
*
* check if WFM set for w_act_flt_ca
************************************************

if w_act_flt_ca = ''
  call 'w_fu_di' ' Please call WFM  first                    '
endif
```

```
*
* Subroutine: W_CHECK_CONT
*
* Check if calling script should continue...
* (Actual Flight assigned?)
*
************************************************************

if w_act_flt = ''
  clear window 'prompt'
  display 'prompt' '0' '0' red 'N O  F L I G H T  A S S I G N E D !'
  call 'delay' '2'
  call 'w_prompt'
  exit
endif

if w_si <>  '2' ** not signed in
  clear window 'prompt'
  display 'prompt' '0' '0' red 'Please sign in first!'
  call 'delay' '2'
  call 'w_prompt'
  exit
endif
```

```
*
* Subroutine: W_CHECK_ER
*
* Check if error in host response
*
* called by: generic
*
************************************************************

set er_prompt1 ' '
*THE *generic* er_checking part

if host_er_nbr = '0'

  *** eventually transaction not executed, although host_er_nbr
  ***   = '0'!
  *** check 23rd line, and, if empty, 22nd line for error msgs.
  ************************************************************
  set w_line0 ''
  findstring 'ILOS' row col '1' '' '1' ''
  if col = ''  ** ILOS not found
    copystring '23' '1' '78' w_line0
    if w_line0 = ''
      if w_act_flt <> ''
        ** search for the last 8 chars of flight number variable
        set w_f_1 ''
        copy w_f_1 w_act_flt '4' '8'
        findstring w_f_1 row col '22' '22' '1' '' ''
        if col  ** found
          copystring '22' '1' '78' w_line0
        else    ** the search goes on
          findstring '?' row col '22' '22' '1' '5' ''
          if col ** found
            copystring '22' '1' '78' w_line0
          else  ** the search goes on
            findstring 'check' row col '22' '22' '1' '' ''
            if col  ** found
              copystring '22' '1' '78' w_line0
            else  ** the search goes on
              findstring 'enter' row col '22' '22' '1' '' ''
              if col  ** found
                copystring '22' '1' '78' w_line0
              endif
            endif
          endif
        endif
      endif
    endif
  endif

  ** display msg. only once
  findstring '+' row col '22' '22' '80' '80' ''
  if col = '80'  ** found
    set w_line0 ''
  endif

  set w_check_er_23 w_line0   ** delimit length

  if w_check_er_23 <> ''
    if w_line0 <> w_wlp_msg   ** w_wlp_msg normally empty
      if w_wlp_msg <> 'ON'
        call 'w_fu_pu' 'w_wlp_4'  ** display message in popup
        set pause_flag '0'
        set eqp_chg '0'
        ** W_CHECK_ER only called for checking of 22nd & 23rd line
        call 'w_prompt'
      endif
    endif
  endif

  clear window 'prompt'
  display 'prompt' '0' '0' blue \
```

```
    'OK                                                  '
  return
endif
if host_er_nbr > '0'
  get_resp host_er_nbr ' ' er_prompt1
  display 'prompt' '0' '0' '78' er_prompt1
  return
else

*** check  for WAB general error answer
  if host_er_nbr = '-1'


    copystring '24' '1' '60' host_acc1
    set er_prompt1 host_acc1
    find '?' host_acc1 '1' temp1 * added to prevent err msgs without
    if temp1                     * a ? from being truncated by guide
      copy er_prompt1 host_acc1 '3' '44'
    else
      copy er_prompt1 host_acc1 '1' '44'
    endif
    display 'prompt' '0' '0' '78' er_prompt1
    return


  if host_er_nbr = '-2'
      call 'er_gen_resp_tosf'
      call 'er_check_pause'
      return
  else
     if host_er_nbr = '-3'
        call 'er_gen_resp_tosf'
        call 'er_check_pause'
        return
     else
        if host_er_nbr = '-5'
          display 'prompt' '0' '0' '78' \
            'Unlock performed                          '
           exit
        else


** IF WE GET THIS FAR AND HAVE NOT FOUND ANY OF THESE CODES **
** THEN DISPLAY THE CODE RECEIVED...UNKNOWN CODE            **

          display 'prompt' '0' '0' '79' 'unknown error code = '
          display 'prompt' '0' '21' '79' host_er_nbr
        endif
     endif
  endif
 endif
endif
```

```
*
* Subroutine: W_CH_LEN
*
* Check if length of variable OK to send to the host
* without getting the answer '? FORMAT'
* called by: generic
*
************************************************************


** %1 = variable to check for right length
****************************************


** check length of given variable
di_length %1 w_len w_slack


*** fill the rest of the variable with '.'
****************************************
label 'again'
if w_slack > '0'
  concat %1 '.'
  subtract w_slack '1'
  goto 'again'
endif
```

```
************************************************
* Subroutine: W_ER_WES
* Called by:    W_WES
*
*         %1  string
*         %2  data item
*         %3  position to copy
*
* Checks for entry in a required input field and concats format
* to send availability displays
************************************************

clear window 'prompt'

label 'w_er_top'
copy w_char %1 %3 '1'

if pause_flag = '1'
  display 'prompt' '0' '0' '79' er_pause_invalid
  goto 'w_er_top'
endif

*set no_err ''

*** check: no letter at first position
************************************

if w_char >= 'a'         * letter
  if w_char <= 'z'
    call 'w_fu_di' ' only number or "+" or "-" ' 's'
    set cursor_position %2
    call 'w_fu_pu' 'w_wes_pop'
    call 'w_fu_pu_ch'
    goto 'w_er_top'
  endif
else
  if w_char = ' '
    return
endif
  if w_char = '.'          * sign .
    return
  endif
  if w_char = '-'          * sing -
    if %3 = '1'            * position of char
      return
    endif
  endif
  if w_char = '+'          * sign +
    if %3 = '1'
      return
    endif
  endif
  if %3 <> '1'
    if w_char = ','
      return
    endif
  endif
  if w_char >= '0'         * number
    if w_char <= '9'
      return
    endif
  endif

  if %2 = 'w_wes_water'     * if water = 1/1  or 100 %
    if w_char = '/'         * sing /
      if %3 = '2'
        return
      endif
    endif
  endif

  call 'w_fu_di' ' only number or + or - '
  set cursor_position %2
```

```
  call 'w_fu_pu' 'w_wes_pop'
  call 'w_fu_pu_ch'
  goto ´w_er_top´
endif
call 'w_prompt'
```

```
*
* script: W_FLT_1
*
* Weight & Balance Activate Flight 1
*
*
*************************************************************

set w_act_flt w_flt_1
set w_act_flt_nr '1'
set w_act_flt_ca w_flt_1ca

call 'w_prompt'

if w_act_flt = ''
  call 'w_flt_lst'
endif
```

```
*
* script: W_FLT_LST
*
* Weight & Balance Flight List
* Shows a list of the activate flights and the control actions
* already performed
************************************************************


clear window 'prompt'
display 'prompt' '0' '0' red \
  'Type in flights, <RETURN> /// <ESC> to EXIT'


*** set Copies to the contents of the original variables, because
*** the popup 'w_wfm_fl' only uses the copies


** update copies of flight nr. and date
**************************************
set w_flt_1c w_flt_1
set w_flt_2c w_flt_2
set w_flt_3c w_flt_3
set w_flt_4c w_flt_4
set w_flt_5c w_flt_5
set w_flt_6c w_flt_6
set w_flt_7c w_flt_7
set w_flt_8c w_flt_8


** set 8 Flight Numbers and actual date
call 'w_flt_lst_s1' w_flt_1 w_f_1 w_d_1
call 'w_flt_lst_s1' w_flt_2 w_f_2 w_d_2
call 'w_flt_lst_s1' w_flt_3 w_f_3 w_d_3
call 'w_flt_lst_s1' w_flt_4 w_f_4 w_d_4
call 'w_flt_lst_s1' w_flt_5 w_f_5 w_d_5
call 'w_flt_lst_s1' w_flt_6 w_f_6 w_d_6
call 'w_flt_lst_s1' w_flt_7 w_f_7 w_d_7
call 'w_flt_lst_s1' w_flt_7 w_f_7 w_d_7
call 'w_flt_lst_s1' w_flt_8 w_f_8 w_d_8

** 8 Control (Monitor) Actions
set w_flt_1cac w_flt_1ca
set w_flt_2cac w_flt_2ca
set w_flt_3cac w_flt_3ca
set w_flt_4cac w_flt_4ca
set w_flt_5cac w_flt_5ca
set w_flt_6cac w_flt_6ca
set w_flt_7cac w_flt_7ca
set w_flt_8cac w_flt_8ca

** 1 Actual Flight Number
set w_act_fltc w_act_flt

**********************************************
** display flight list
label 'again'
if w_flt_1c = ''
  set cursor_position 'w_f_1'
else
  if w_flt_2c = ''
    set cursor_position 'w_f_2'
  else
    if w_flt_3c = ''
      set cursor_position 'w_f_3'
    else
      if w_flt_4c = ''
        set cursor_position 'w_f_4'
      else
        if w_flt_5c = ''
          set cursor_position 'w_f_5'
        else
          if w_flt_6c = ''
```

```
            set cursor_position 'w_f_6'
          else
            if w_flt_7c = ''
              set cursor_position 'w_f_7'
            else
              if w_flt_8c = ''
                set cursor_position 'w_f_8'
              else
                set cursor_position 'w_f_1'
              endif
            endif
          endif
        endif
      endif
    endif
  endif
endif

call 'w_fu_pu' 'w_wfm_fl'
call 'w_fu_pu_ch'
*********************************************

** if ESC hasn't been pressed, continue...


** check input
**************
set w_count '0'
call 'w_flt_lst_ch' w_f_1 w_d_1
call 'w_flt_lst_ch' w_f_2 w_d_2
call 'w_flt_lst_ch' w_f_3 w_d_3
call 'w_flt_lst_ch' w_f_4 w_d_4
call 'w_flt_lst_ch' w_f_5 w_d_5
call 'w_flt_lst_ch' w_f_6 w_d_6
call 'w_flt_lst_ch' w_f_7 w_d_7
call 'w_flt_lst_ch' w_f_8 w_d_8
if w_count = '1'
  call 'w_fu_di' 'Impossible flight name'
  goto 'again'
endif
if w_count = '2'
  call 'w_fu_di' 'Impossible date'
  goto 'again'
endif


** concat flight nr. and day, if flight nr. not ''
************************************************
set w_flt_1 ''
if w_f_1 <> ''
  concat w_flt_1 w_f_1 '/' w_d_1
endif
set w_flt_2 ''
if w_f_2 <> ''
  concat w_flt_2 w_f_2 '/' w_d_2
endif
set w_flt_3 ''
if w_f_3 <> ''
  concat w_flt_3 w_f_3 '/' w_d_3
endif
set w_flt_4 ''
if w_f_4 <> ''
  concat w_flt_4 w_f_4 '/' w_d_4
endif
set w_flt_5 ''
if w_f_5 <> ''
  concat w_flt_5 w_f_5 '/' w_d_5
endif
set w_flt_6 ''
if w_f_6 <> ''
  concat w_flt_6 w_f_6 '/' w_d_6
endif
set w_flt_7 ''
```

```
if w_f_7 <> ''
  concat w_flt_7 w_f_7 '/' w_d_7
endif
set w_flt_8 ''
if w_f_8 <> ''
  concat w_flt_8 w_f_8 '/' w_d_8
endif


*** check every flight number, reset variables of changed flights
*****************************************************************
if w_flt_1 <> w_flt_1c  * flight nr. or flight date has been changed
  set w_flt_1ca ''      * reset control action
  if w_act_flt_nr = '1' * reset act_flt, if referring flight nr. changed
    set w_act_flt_nr ''
    set w_act_flt_ca ''
    set w_act_flt ''
  endif
endif
if w_flt_2 <> w_flt_2c
  set w_flt_2ca ''
  if w_act_flt_nr = '2'
    set w_act_flt_nr ''
    set w_act_flt_ca ''
    set w_act_flt ''
  endif
endif
if w_flt_3 <> w_flt_3c
  set w_flt_3ca ''
  if w_act_flt_nr = '3'
    set w_act_flt_nr ''
    set w_act_flt_ca ''
    set w_act_flt ''
  endif
endif
if w_flt_4 <> w_flt_4c
  set w_flt_4ca ''
  if w_act_flt_nr = '4'
    set w_act_flt_nr ''
    set w_act_flt_ca ''
    set w_act_flt ''
  endif
endif
if w_flt_5 <> w_flt_5c
  set w_flt_5ca ''
  if w_act_flt_nr = '5'
    set w_act_flt_nr ''
    set w_act_flt_ca ''
    set w_act_flt ''
  endif
endif
if w_flt_6 <> w_flt_6c
  set w_flt_6ca ''
  if w_act_flt_nr = '6'
    set w_act_flt_nr ''
    set w_act_flt_ca ''
    set w_act_flt ''
  endif
endif
if w_flt_7 <> w_flt_7c
  set w_flt_7ca ''
  if w_act_flt_nr = '7'
    set w_act_flt_nr ''
    set w_act_flt_ca ''
    set w_act_flt ''
  endif
endif
if w_flt_8 <> w_flt_8c
  set w_flt_8ca ''
  if w_act_flt_nr = '8'
    set w_act_flt_nr ''
    set w_act_flt_ca ''
    set w_act_flt ''
```

```
  endif
endif


** update window 'prompt'
call 'w_prompt'
```

```
*
* Subroutine: W_FLT_LST_CH
*
* Weight & Balance Flight List Check Input
* checks input in popup 'W_WFM_FL'
* called by W_FLT_LST
************************************************************


** %1 = flight nr. without day  (W_F_1..8)
** %2 = day without flight nr.  (W_D_1..8)
*****************************************


if %1 = ''
  return
endif

** check flight name
*******************
char_type %1 '1' w_char
if w_char = 's'
  set w_count '1'
  return
endif


** check length of flight number
** add 'LH', if no airline given
*******************************
di_length %1 w_len w_slack
if w_char = 'n'
  if w_len < '4'
    set w_temp ''
    char_type %1 '2' w_temp  ** check 2nd pos.
    if w_temp <> 'N'
      set w_count '1'
    endif
    char_type %1 '3' w_temp  ** check 3rd pos.
    if w_temp <> 'N'
      set w_count '1'
    endif
  endif
  ** flight nr. (max. 5)
  if w_len <= '5'
    set w_temp1 ''
    concat w_temp1 'LH' %1
    set %1 w_temp1
  else
    set w_count '1'
  endif
else  ** first char <> 'n'
  if w_len < '4'
    set w_count '1'
  endif
endif


** check dates
**************
if %2 < '1'
  set w_count '2'
  return
endif
if %2 > '31'
  set w_count '2'
  return
endif
di_length %2 w_len w_slack
if w_len < '2'
  set w_day '0'
  concat w_day %2
  set %2 w_day
```

```
endif
```

```
*
* Subroutine: W_FLT_LST_S1
*
* Weight & Balance Flight List Subroutine 1
* resets flight numbers and days
* called by W_FLT_LST
************************************************************


** %1 = flight nr. and day      (W_FLT_1..8)
** %2 = flight nr. without day  (W_F_1..8)
** %3 = day without flight nr.  (W_D_1..8)
*****************************************


** retrieve 8 Flight Numbers and their dates
*****************************************
set %2 ''
set %3 ''
if %1 <> ''
  find '/' %1 '1' w_pos
  if w_pos
    subtract w_pos '1'
    copy %2 %1 '1' w_pos
    add w_pos '2'
    copy %3 %1 w_pos '3'
  endif
else
  ** set date
  execute 'date_plus' '0' %3 w_month w_year
endif
```

```
*
* Function: W_FU_DI
*
* Weight & Balance Function Display
*
*
************************************************************

clear window 'prompt'
display 'prompt' '0' '0' red %1
if %2 = 'S'
  call 'delay' '2'
  call 'w_prompt'
endif
```

```
************************************************
* Function / Subroutine: W_FU_PU
* Called by:  generic
*
* Reads popup passed in and sets flags to indicate whether
* user has escaped or commited the popup.
* To be used in main code where it is possible to have an
* error message present with a popup.
* -----> ONLY for popups where pause should NOT work
*
* Argument:     %1 - popup
************************************************


label 'gen_read_pu_top'

read popup %1 pause_flag cursor_position

if pause_flag = '1'
  display 'prompt' '0' '0' '79' er_pause_invalid
  goto 'gen_read_pu_top'
endif
```

```
************************************************
* Subroutine: W_FU_PU_CH
* Called by:  generic error checking
*
* Check global PAUSE_FLAG. If set to '2' this means the user
* has escaped from the popup and code should terminate.
* ---> NOTE :
* This version is for NON-pauseable functions and does not
* reset the pause_tx data item.
************************************************

if pause_flag = '2'        ** indicating ESCAPE
  set pause_flag '0'
  set eqp_chg '0'
  call 'w_prompt'
  set w_wlp_msg ''         ** reset for W_CHECK_ER
  exit
endif
```

```
************************************************
* Function / Subroutine: W_FU_SEND
* Called by:  generic
*
* - This subroutine checks for the requested output
*   window, also the host format is sent and the
*   response is checked
*
* Arguments:      %1 - config defined response window;
*                      ('a', 'b' or variable w_win
*                       (actual output window))
*                 %2 - host format;
*                 %3 - inhibit indicator;
*                 %4 - Timeout indicator;
************************************************

**  SEE ALSO:   WINDOW_CHECK
**              WINDOW_CHK_DISP
**              WINDOW_NSE_RDISP
**              WINDOW_NSE_SEND
**              WINDOW_CLEAR
**              WINDOW_SELECT
**
************************************************

call 'unlock_check'             * if unlock press, display mssg

* if %3 <> 'y', check first parameter (valid only 'a' and 'b')
if %3 <> 'y'
  if %1 <> 'a'
    if %1 <> 'b'
      clear window 'prompt'
  display 'prompt' '0' '0' red 'wrong call to function w_fu_send!!!'
    endif
  endif
endif
if %3 <> 'y'                    * if inhibit on, do not check windows
  clear window %1
  set window_parse %1
  execute 'unisys_wdo' %1
endif

execute 'unisys_send' %2 %3 %4 ' ' host_er_nbr

*call 'er_generic_resp'
call 'w_check_er'
```

```
*
* script: W_F_11
*
* This script will be started by pressing the key F11
*
*
************************************************************

next keypad 'w_kp_wrk'

call 'w_prompt'
```

```
*
* Subroutine: W_GEN_DET_END
*
* Determine last line to send
* Called by W_GEN_EDIT
* SKR 8/95
************************************************************


*** search from row 23 to 1 for the last not empty line to send
************************************************************
set w_count '23'
label 'again'
copystring w_count '1' '1' w_char
if w_char = '' ** line hopefully as empty as first character
  subtract w_count '1'
  goto 'again'
else
  set w_send_end w_count  ** last not empty line found
endif
```

```
*
* script: W_GEN_EDIT
*
* General Mask Editor
*
* SKR 8/95
************************************************************


*** reset variables of popup 'W_SEND'
*************************************
call 'w_gen_edit_sv'


if %1 = 'read_buf'
  goto 'go_on'
endif


*** get transaction and send it to the host
*******************************************
label 'start'
set cursor_position 'w_send'
call 'w_fu_pu' 'w_send'
call 'w_prompt'
call 'w_fu_pu_ch'
call 'w_fu_send' 'a' w_send ' ' ' ' '

*** check response
******************
if host_er_nbr = '-1'
  if er_prompt1 = 'NOT IN SYSTEM' ** WFO!
    goto 'go_on'
  endif
endif
if host_er_nbr > '1'
  goto 'start'
endif
if host_er_nbr < '0'
  goto 'start'
endif


*** check contents of response
******************************
label 'go_on'
call 'w_gen_det_end'                  ** determine last line
                                      ** to send
copystring '1' '1' '3' w_gen_trans1   ** name of transaction,
                                      ** for example 'WFM' etc.
set w_gen_trans2 ''
concat w_gen_trans2 w_gen_trans1 'I' ** 'WFM' ---> 'WFMI' etc.
findstring w_gen_trans2 row col '2' '' '1' ''
if col = '2'    ** found in column 2 !
  set w_send_start row
  set w_send_end row
  ** line number where transaction has been found a second time:
  set w_gen_soe_found row
endif


*** read 6 lines out of the buffer
**********************************
label 'again'
if w_send_linec > w_send_end
  goto 'check'
endif
if w_send_linec = w_gen_soe_found  ** do not copy first character
  copystring w_send_linec '2' '79' w_send_1
else
  copystring w_send_linec '1' '80' w_send_1
endif
add w_send_linec '1'
```

```
set w_send_linec_l2 w_send_linec
********************
if w_send_linec = w_gen_soe_found
  copystring w_send_linec '2' '79' w_send_2
else
  copystring w_send_linec '1' '80' w_send_2
endif
add w_send_linec '1'
set w_send_linec_l3 w_send_linec
********************
if w_send_linec = w_gen_soe_found
  copystring w_send_linec '2' '79' w_send_3
else
  copystring w_send_linec '1' '80' w_send_3
endif
add w_send_linec '1'
set w_send_linec_l4 w_send_linec
********************
if w_send_linec = w_gen_soe_found
  copystring w_send_linec '2' '79' w_send_4
else
  copystring w_send_linec '1' '80' w_send_4
endif
add w_send_linec '1'
set w_send_linec_l5 w_send_linec
********************
if w_send_linec = w_gen_soe_found
  copystring w_send_linec '2' '79' w_send_5
else
  copystring w_send_linec '1' '80' w_send_5
endif
add w_send_linec '1'
set w_send_linec_l6 w_send_linec
********************
if w_send_linec = w_gen_soe_found
  copystring w_send_linec '2' '79' w_send_6
else
  copystring w_send_linec '1' '80' w_send_6
endif


*** display popup
*****************
set w_send_linec w_send_line
set cursor_position 'w_send_1'
call 'w_fu_pu' 'w_send'
call 'w_prompt'
call 'w_fu_pu_ch'


*** check popup-variables
*************************
if w_send_end < '1'
  call 'w_fu_di' 'Line number to send string must be 1..24'
  set cursor_position 'w_send_end'
  goto 'again'
endif
if w_send_end > '24'
  call 'w_fu_di' 'Line number to send string must be 1..24'
  set cursor_position 'w_send_end'
  goto 'again'
endif
if w_send_start < '1'
  call 'w_fu_di' 'Line number to send string must be 1..24'
  set cursor_position 'w_send_start'
  goto 'again'
endif
if w_send_start > '24'
  call 'w_fu_di' 'Line number to send string must be 1..24'
  set cursor_position 'w_send_start'
  goto 'again'
endif
if w_send_start > w_send_end
```

```
  call 'w_fu_di' 'First line must be < last line'
  set cursor_position 'w_send_start'
goto 'again'
endif
if w_send_pos <> 'B'    ** Send at (B)egin of line
  if w_send_pos <> 'E'  ** Send at (E)nd   of line
    call 'w_fu_di' 'Send at (B)egin or (E)nd of line?'
    set cursor_position 'w_send_pos'
    goto 'again'
  endif
endif
if w_send_pn <> '-'     ** no PageNext
  if w_send_pn = 'F'    ** PageNext yes, (F)orward
    set w_send_pn '-'
    call 'w_fu_send' 'a' 'PN' ' ' ' ' '
    goto 'go_on'
  else
    if w_send_pn = 'B'  ** PageNext yes, (B)ackward
      set w_send_pn '-'
      call 'w_fu_send' 'a' 'PB' ' ' ' ' '
      goto 'go_on'
    else
      call 'w_fu_di' 'PageNext NO(-), (F)orward or (B)ackward?'
      set cursor_position 'w_send_pn'
      goto 'again'
    endif
  endif
endif


*** Send every line
*******************
call 'w_gen_edit_send' w_send_1
add w_send_linec '1'
call 'w_gen_edit_send' w_send_2
add w_send_linec '1'
call 'w_gen_edit_send' w_send_3
add w_send_linec '1'
call 'w_gen_edit_send' w_send_4
add w_send_linec '1'
call 'w_gen_edit_send' w_send_5
add w_send_linec '1'
call 'w_gen_edit_send' w_send_6
add w_send_linec '1'

if w_send_linec < '24'
  add w_send_line '6'
  set w_send_linec w_send_line
  goto 'again'
endif


*** Display host response
*************************
label 'check'
call 'w_check_er'
call 'delay' '2'
call 'w_prompt'
```

```
*
* Subroutine: W_GEN_EDIT_SEND
*
* called by General Mask Editor
* Send every single line of Mask
* SKR 8/95
*************************************************************


*** Parameter %1 = string to send
*********************************

if w_send_linec >= w_send_start
  if w_send_linec <= w_send_end  ** if last line not already sent
    if w_send_start = w_send_end ** only this line to send
      execute 'unisys_send' %1 ' ' '60' ' ' host_er_nbr
    else
      if w_send_linec = w_send_start ** send initial line
        execute 'unisys_send' %1 ' ' '60' 'I' host_er_nbr
      else
        if w_send_linec = w_send_end   ** send last line
          if w_send_pos = 'E'          ** send at (E)ND of line
            execute 'unisys_send' %1 ' ' '60' 'S' host_er_nbr
          else                         ** send at start of line
            execute 'unisys_send' '' ' ' '60' 'S' host_er_nbr
          endif
        else
          execute 'unisys_send' %1 ' ' '60' 'C' host_er_nbr
        endif
      endif
    endif
  endif
endif
```

```
*
* Subroutine: W_GEN_EDIT_SV
*
* Set Variables of General Mask Editor
*
* SKR 8/95
*************************************************************


*** reset variables of popup 'W_SEND'
************************************
set w_send ''                   ** initial transaction
set w_send_line '1'             ** line number of first editor line
set w_send_linec w_send_line    ** copy of line num. and counter var.
set w_send_linec_l2 ''          ** reset second line number
set w_send_linec_l3 ''          ** reset third  line number
set w_send_linec_l4 ''          ** etc.
set w_send_linec_l5 ''
set w_send_linec_l6 ''
set w_send_1 ''                 ** first  editor line
set w_send_2 ''                 ** second editor line
set w_send_3 ''                 ** etc.
set w_send_4 ''
set w_send_5 ''
set w_send_6 ''
set w_send_start '1'            ** 1st  line to send to host
set w_send_end '23'             ** last line to send to host
set w_gen_soe_found '0'         ** SOE found ---> do not send chars
                                **   before this character
set w_send_pos 'E'              ** Send String at (E)nd of Line
set w_send_pn '-'               ** Page next Y(es) or (N)o
```

```
*
* script: W_HELP
*
*          USER HELP AND INFOS
************************************************************

set w_info_index ''
set w_info_action '2'
set w_time_temp ''
set w_temp1 ''
set w_temp ''
set w_help_flt ''

call 'er_bl_pick_list' 'w_info' w_info_action '18'
call 'w_prompt'

label 'again'
call 'w_fu_pu_ch'

*** HELP ON WABE
****************

switch 'w_info_action'

case '1'                            ***  help on GUIDE/ WABE
  set cursor_position 'w_temp'
  call 'w_fu_pu' 'w_i_gen1'
  call 'w_fu_pu_ch'
  call 'w_fu_pu' 'w_i_gen2'
  call 'w_fu_pu_ch'
  call 'w_fu_pu' 'w_i_gen3'
  call 'w_fu_pu_ch'
  call 'w_fu_pu' 'w_i_gen4'
  call 'w_fu_pu_ch'

case '2'                            *** suggest next transaktion
  call 'w_suggest'


*** FLIGHT INFOS
****************

case '3'                            *** BOSTA
  call 'w_help_bosta'

case '4'                            *** FG
  call 'w_help_fg'

case '5'                            *** IL
  set w_send_string ''
  set cursor_position 'w_info_index'
  find 'x' w_act_flt '1' w_pos           * find x in flight nr.
  if w_pos
    di_length w_act_flt w_len w_slack
    subtract  w_pos  '1'
    copy w_temp w_act_flt '1' w_pos        * cut it out
  else
    find '/' w_act_flt '1' w_pos           * find / in flight nr.
    if w_pos
      di_length w_act_flt w_len w_slack
      subtract  w_pos  '1'
      copy w_temp w_act_flt '1' w_pos        * cut it out
    endif
  endif

  set w_time_temp 'il'
  concat w_info_index 'cab/' w_temp
  set w_help_flt ''
  label 'IL'
    call 'w_fu_pu' 'w_info1'
    call 'w_fu_pu_ch'
    if w_info_index <> ''
      set w_send_string ''
```

```
concat w_send_string w_time_temp ' '  w_info_index
    else
*      if w_help_flt <> ''
      if w_info_index = ''
*          call 'w_fu_di' ' really ALL PRINT'
*          call 'w_fu_pu' 'w_enter'
*          call 'w_fu_pu_ch'
*        endif
*      else
        call 'w_fu_di' 'please set parameter / flight nr' 's'
        goto 'il'
      endif
    endif
    set cursor_position 'w_info_index'
    *** send to host and call popup
    ******************************
    call 'w_fu_send' w_win w_send_string '' ''
    if host_er_nbr <> '0'
      call 'delay' '2'
    endif
    call 'w_prompt'
  goto 'il'

case '6'                              *** NCO
  set w_send_string ''
  find 'x' w_act_flt '1' w_pos           * find x in flight nr.
  if w_pos
    di_length w_act_flt w_len w_slack
    subtract  w_pos  '1'
    copy w_temp w_act_flt '1' w_pos      * cut it out
  else
    find '/' w_act_flt '1' w_pos           * find / in flight nr.
    if w_pos
      di_length w_act_flt w_len w_slack
      subtract  w_pos  '1'
      copy w_temp w_act_flt '1' w_pos        * cut it out
    endif
endif

  concat w_send_string 'nco ' ' ' w_temp
  set cursor_position 'w_info_index'

  *** send to host and call popup
  ******************************
  call 'w_fu_send' w_win w_send_string '' ''
  if host_er_nbr <> '0'
    call 'delay' '2'
    call 'w_prompt'
  endif
  call 'w_prompt'

case '7'                              ***  NSY
  set w_send_string ''
  find 'x' w_act_flt '1' w_pos           * find x in flight nr.
  if w_pos
    di_length w_act_flt w_len w_slack
    subtract  w_pos  '1'
    copy w_temp w_act_flt '1' w_pos      * cut it out
  else
    find '/' w_act_flt '1' w_pos           * find / in flight nr.
    if w_pos
      di_length w_act_flt w_len w_slack
      subtract  w_pos  '1'
      copy w_temp w_act_flt '1' w_pos        * cut it out
    endif
  endif
  concat w_send_string 'nsy ' ' ' w_temp
  set cursor_position 'w_info_index'

  *** send to host and call popup
  ******************************
  call 'w_fu_send' w_win w_send_string '' ''
  if host_er_nbr <> '0'
```

```
    call 'delay' '2'
    call 'w_prompt'
  endif
  call 'w_prompt'

case '8'                              *** NWB
  set w_send_string ''
  find 'x' w_act_flt '1' w_pos           * find x in flight nr.
  if w_pos
    di_length w_act_flt w_len w_slack
    subtract  w_pos  '1'
    copy w_temp w_act_flt '1' w_pos      * cut it out
  else
    find '/' w_act_flt '1' w_pos           * find / in flight nr.
    if w_pos
      di_length w_act_flt w_len w_slack
      subtract  w_pos  '1'
      copy w_temp w_act_flt '1' w_pos        * cut it out
    endif
  endif
  concat w_send_string 'nwb ' ' ' w_temp
  set cursor_position 'w_info_index'

  *** send to host and call popup
  ******************************
  call 'w_fu_send' w_win w_send_string '' ''
  if host_er_nbr <> '0'
    call 'delay' '2'
    call 'w_prompt'
  endif
  call 'w_prompt'

case '9'
   call 'w_fu_di' 'not in use' 's'

*** General INFOS
*****************

case '10'                             *** AG
  call 'w_help_ag'

case '11'                             *** APS
  call 'w_help_aps'

case '12'                             *** APSE
  call 'w_help_apse'

case '13'                             *** CI
  call 'w_help_ci'

case '14'                             *** HEL
  call 'w_help_hel'

case '15'                             *** ILOS
  call 'w_help_ilos'

case '16'                             ***  TB
  call 'w_help_tb'

case '17'                             *** TA
  set w_send_string ''
  set w_info_index ''
  set w_time_temp ''
  set cursor_position 'w_info_index'
  concat w_time_temp 'TA'

  *** read popup
  **************
  call 'w_fu_pu' 'w_info1'
  call 'w_fu_pu_ch'
  concat w_send_string w_time_temp  ' ' w_info_index

  *** send to host
```

```
  ***************
  call 'w_fu_send' w_win w_send_string '' ''
  if host_er_nbr <> '0'
    call 'delay' '2'
    call 'w_prompt'
  endif
  call 'w_prompt'

case '18'                          *** TD
  set w_send_string ''
  set w_info_index ''
  set w_time_temp ''
  set cursor_position 'w_info_index'
  concat w_time_temp 'TD'

  *** read popup
  **************
  call 'w_fu_pu' 'w_info1'
  call 'w_fu_pu_ch'
  concat w_send_string w_time_temp  ' ' w_info_index

  *** send to host
  ****************
  call 'w_fu_send' w_win w_send_string '' ''
  if host_er_nbr <> '0'
    call 'delay' '2'
    call 'w_prompt'
  endif
  call 'w_prompt'

goto 'again'
label 'end'
endswitch
```

```
*
* subroutine: W_HELP_AG
* called  by: w_help
*
*                     Aircraft Generation Infomation
************************************************************

set w_send_string ''
set cursor_position 'w_info_index'
concat w_send_string 'AG  '
concat w_time_temp 'AG' ' '

label 'ag'
  call 'w_fu_pu' 'w_info1'
  call 'w_fu_pu_ch'
*  call 'w_fu_di' 'e.g.  AG   DAVRO 28  ' 's'

  if w_info_index <> ''
    set w_send_string ''
    concat w_send_string  w_time_temp ' ' w_info_index
  else
    call 'w_fu_di' 'please set a/c type and assigned date' 's'
    goto 'ag'
  endif
  set cursor_position 'w_info_index'

*** send to host and call popup
******************************

call 'w_fu_send' w_win w_send_string '' ''
if host_er_nbr <> '0'
  call 'delay' '2'
endif

call 'w_prompt'
goto 'ag'
```

```
*
* subroutine: W_HELP_APS
* called  by: w_help
*
*
*************************************************************

set w_send_string ''
set w_info_index ''
set cursor_position 'w_info_index'

concat w_send_string 'APS ' ' '
concat w_time_temp 'APS' ' '


label 'aps'

  call 'w_fu_pu' 'w_info1'
  call 'w_fu_pu_ch'

  set w_send_string ''
  concat w_send_string w_time_temp  ' '  w_info_index
  set cursor_position 'w_info_index'

*** send to host and call popup
*****************************

  call 'w_fu_send' w_win w_send_string '' ''

  if host_er_nbr <> '0'
    call 'delay' '2'
  endif

  call 'w_prompt'
goto 'aps'
```

```
*
* script: W_HELP_APSE
* called  by: w_help
*
*                       APS English
*************************************************************

set w_send_string ''
set w_info_index  ''
set cursor_position 'w_info_index'

concat w_send_string 'APSE ' ' '
concat w_time_temp 'APSE' ' '

label 'apse'

  call 'w_fu_pu' 'w_info1'
  call 'w_fu_pu_ch'

  set w_send_string ''
  concat w_send_string w_time_temp  ' '  w_info_index

  set cursor_position 'w_info_index'

*** send to host and call popup
*****************************

  call 'w_fu_send' w_win w_send_string '' ''

  if host_er_nbr <> '0'
    call 'delay' '2'
  endif

  call 'w_prompt'
goto 'apse'
```

```
*
* subroutine: W_HELP_BOSTA
* called  by: w_help
*
*                     BOSTA Infomation
************************************************************

set w_send_string ''
set cursor_position 'w_info_index'

find 'x' w_act_flt '1' w_pos             * find x in flight nr.
if w_pos
  di_length w_act_flt w_len w_slack
  subtract  w_pos  '1'
  copy w_temp w_act_flt '1' w_pos        * cut it out
else
  find '/' w_act_flt '1' w_pos           * find / in flight nr.
  if w_pos
    di_length w_act_flt w_len w_slack
    subtract  w_pos  '1'
    copy w_temp w_act_flt '1' w_pos       * cut '/x' out it
  endif
endif

concat w_help_flt w_temp
concat w_time_temp 'bo '  ' ' w_help_flt

label 'bosta'

  set cursor_position 'w_info_index'
  call 'w_fu_pu' 'w_info1'
  call 'w_fu_pu_ch'

  if w_info_index <> ''
    set w_send_string ''
      concat w_send_string w_time_temp  ' ' w_help_flt '/'  w_info_index
  else
    if w_info_index = ''
      call 'w_fu_di' 'please set date e.g. 17AUG' 's'
      goto 'bo'
    endif
  endif

  set cursor_position 'w_info_index'

  *** send to host and call popup
  ******************************

  call 'w_fu_send' w_win  w_send_string '' ''
  if host_er_nbr <> '0'
    call 'delay' '2'
  endif
  call 'w_prompt'

goto 'bosta'
```

```
*
* subroutine: W_HELP_CI
* called  by:  w_help
*
*                      CITY INFO
*
************************************************************

set w_send_string ''
set cursor_position 'w_info_index'
concat w_time_temp 'CI' ' '

label 'ci'

  call 'w_fu_pu' 'w_info1'
  call 'w_fu_pu_ch'

  set w_send_string ''
  concat w_send_string  w_time_temp ' ' w_info_index

  set cursor_position 'w_info_index'

*** send to host and call popup
******************************

  call 'w_fu_send' w_win w_send_string '' ''

  if host_er_nbr <> '0'
    call 'delay' '2'
  endif
  call 'w_prompt'

goto 'ci'
```

```
*
* subroutine: W_HELP_FG
* called  by: w_help
*
*            Flight Generation Information
************************************************************

set w_send_string ''
set cursor_position 'w_info_index'

find 'x' w_act_flt '1' w_pos           * find x in flight nr.
if w_pos
  di_length w_act_flt w_len w_slack
  subtract  w_pos  '1'
  copy w_temp w_act_flt '1' w_pos      * cut it out
else
  find '/' w_act_flt '1' w_pos           * find / in flight nr.
  if w_pos
    di_length w_act_flt w_len w_slack
    subtract  w_pos  '1'
    copy w_temp w_act_flt '1' w_pos        * cut it out
  endif
endif

concat w_help_flt w_temp
concat w_send_string 'FG ' ' ' w_temp
concat w_time_temp 'FG' ' '

label 'fg'

  call 'w_fu_pu' 'w_info1'
  call 'w_fu_pu_ch'
  if w_info_index <> ''
    set w_send_string ''
*    concat w_send_string w_time_temp ' ' w_help_flt  w_info_index
  else
    if w_help_flt = ''
      call 'w_fu_di' 'please set flight nr         ' 's'
      goto 'fg'
    endif
    concat w_send_string w_time_temp ' ' w_help_flt  w_info_index
  endif
  set cursor_position 'w_info_index'

*** send to host and call popup
******************************

  call 'w_fu_send' w_win w_send_string '' ''
  if host_er_nbr <> '0'
    call 'delay' '2'
  endif
  call 'w_prompt'

goto 'fg'
```

```
*
* subroutine: W_HELP_HEL
* called  by: w_help
*
*                Infomations Transaction
*************************************************************

set w_send_string ''
set w_info_index 'WAB'
set cursor_position 'w_info_index'

concat w_send_string 'HEL '
concat w_time_temp 'HEL' ' '

label 'hel'
  call 'w_fu_pu' 'w_info1'
  call 'w_fu_pu_ch'

  set w_send_string ''
  concat w_send_string w_time_temp  w_temp ' ' w_info_index

  set cursor_position 'w_info_index'

*** send to host and call popup
*******************************

  call 'w_fu_send' w_win w_send_string '' ''
  if host_er_nbr <> '0'
    call 'delay' '2'
  endif
  call 'w_prompt'

goto 'hel'
```

```
*
* subroutine: W_HELP_ILOS
* called  by:  w_help
*
*
*
*************************************************************

set w_send_string ''
set cursor_position 'w_info_index'

concat w_send_string 'ILOS  '  ' '
concat w_time_temp 'ilos' ' '

label 'ilos'
  call 'w_fu_pu' 'w_info1'
  call 'w_fu_pu_ch'

  if w_info_index <> ''
    set w_send_string ''
    concat w_send_string w_time_temp  ' ' w_info_index
  endif
  set cursor_position 'w_info_index'

*** send to host and call popup
*****************************

  call 'w_fu_send' w_win w_send_string '' ''
  if host_er_nbr <> '0'
    call 'delay' '2'
  endif

  call 'w_prompt'

goto 'ilos'
```

```
*
* subroutine: W_HELP_TB
* called  by: w_help
*
*
************************************************************


set w_send_string ''
set w_info_index '1'
set cursor_position 'w_info_index'
concat w_time_temp 'TB' ' '

label 'tb'

  set w_send_string ''
  set cursor_position 'w_info_index'

  call 'w_fu_pu' 'w_info1'
  call 'w_fu_pu_ch'

  concat w_send_string w_time_temp ' ' w_info_index
  if w_info_index = ''
    call 'w_fu_di' ' please set parameter e.g. 1  ' 's'
    goto 'tb'
  endif


*** send to host and call popup
******************************

  call 'w_fu_send' w_win w_send_string '' ''
  if host_er_nbr <> '0'
    call 'delay' '2'
  endif
  set cursor_position 'w_info_index'
  call 'w_prompt'

goto 'tb'
```

```
*
* script: W_HOST_ACCESS
*
* Weight & Balance Host Access
*
*
*************************************************************

label 'host_top'

clear popup 'w_host_a'
call 'w_fu_pu' 'w_host_a'
call 'w_fu_pu_ch'

set rt_page_flag '0'

call 'w_fu_send' w_win w_host_access  ' '  ' '
call 'delay' '2'
call 'w_prompt'
```

```
*
* script: W_PRINT
*
* Weight & Balance Print All (PA) Transaction
*
*
************************************************************


** check if script shall continue
call 'w_check_cont'


*** Send WCM
set w_send_string ''
concat w_send_string 'PA '
call 'w_fu_send' ' ' w_send_string 'y' ' '
call 'delay' '2'
call 'w_prompt'
```

```
*
* Subroutine: W_PROMPT
*
* This script refreshs the window 'prompt'
*
*
************************************************************

clear window 'prompt'

if w_act_flt = ''
  display 'prompt' '0' '0' red 'PLEASE ASSIGN A FLIGHT USING ALT-F1..F8'
else
  display 'prompt' '0' '0' red w_act_flt
  display 'prompt' '0' '22' red w_win
endif
```

```
*
* script: W_START
*
* Startup-Script
* called by SYS_INIT, if application = 'w'
*                                      (Weight & Balance)
************************************************************


*** Initialize variables
set w_win 'a'          ** set Output-Window A
set w_prn ''           ** Set Printer variable


*** Sign In
call 'w_system' '1'   ** automatic Sign In (Option 1)


*** OPS-Agent Assignment: Initial Input of Name, Table, Telephone-Nr.
call 'w_assign'


*** Flight Assignment
call 'w_flt_lst'
```

```
*
* script: W_SUBMENU
*
* called by keypad W_KP_WRK, keypad cell F8
*
*
*************************************************************

* clear window 'prompt'

* display 'prompt' '0' '0' blue 'Submenu Transaction'

next keypad 'w_kp_s_1'
```

```
*
* script: W_SUBMENU_2
*
* called by keypad W_KP_WRK, keypad cell F9
*
*
************************************************************

* clear window 'prompt'

* display 'prompt' '0' '0' blue 'Submenu 2'

next keypad 'w_kp_s_2'
```

```
*
* script: W_SUGGEST
*
* Weight & Balance Suggest Next Transaction
*
*
*************************************************************

switch w_act_flt_ca
case ''
  if w_act_flt = ''
    read popup 'w_i_s0a'
  else
    read popup 'w_i_s0b'
  endif
case '0'
  read popup 'w_i_s0c'
case '1'
  read popup 'w_i_s1'
case '2'
  read popup 'w_i_s2'
case '3'
  read popup 'w_i_s3'
case '4'
  read popup 'w_i_s4'
case '5'
  read popup 'w_i_s5'
case '6'
  read popup 'w_i_s6'
endswitch

if w_act_flt_ca > '6'
  read popup 'w_i_s7'
endif
```

```
*
* script: W_SYSTEM
*
* started by keypad 'w_kp_s2', keypad cell F10
* Sign In, Sign Out, Printer, Change to Guide/Checkin
*
************************************************************


clear window 'prompt'
call 'version_prompt'
set er_flagcont '0'
* set connect_option '1'
set system_date_flag '0'

if w_si = '1'
  set option '1'
else
  set option '2'
endif

label 'so_top'

*** if W_SYSTEM is called with a parameter, then set option %1
if %1 <> ''
  set option %1
else
  call 'er_bl_pick_list' 'w_system' option '9'
  call 'w_fu_pu_ch'
endif


*** Option '1'
**************
if option = '1'  *** Sign In
  clear popup 'si_code'
  set agent_code ''
  set payroll_nbr ''
  label 'signin_top'
  call 'er_bl_sign_in'
  call 'er_check_pause'
  set w_send_string ''
  concat w_send_string 'SI ' agent_code '/' payroll_nbr
  call 'w_fu_send' ' ' w_send_string 'y' ' '
  if w_si = '1' ** an agent has already been signed in before
    call 'w_fu_di' 'Flight List may already contain flight data'
  endif
  ** Attach Printer
  call 'w_fu_pu' 'w_prn_a'
  call 'w_fu_pu_ch'
  set w_send_string ''
  concat w_send_string 'PX A ' w_prn
  call 'w_fu_send' '' w_send_string 'y' ' '

  findstring 'SO OK' row col '1' '1' '' ''
  if col = '2'
    goto 'signin_top'
  endif
  set w_si '2'
endif


*** Option '2'
**************
if option = '2'  *** Sign Out
  ** Detach Printer
  call 'w_fu_pu' 'w_prn_d'
  call 'w_fu_pu_ch'
  set w_send_string ''
  concat w_send_string 'PX D ' w_prn
  ** erase OPS Agent data
  set w_name ''
  set w_table ''
```

```
  set w_phone ''
  ** Sign Out
  call 'w_fu_send' '' w_send_string 'y' ' '
  call 'w_fu_send' ' ' 'SO' 'y' ' '
  set w_si '1'
endif


*** Option '3'
**************
if option = '3'  *** Terminal Info ***
  call 'w_fu_send' 'a' 'TCD' ' ' ' ' '
endif


*** Option '4'
**************
if option = '4'  *** Attach Printer ***
  call 'w_fu_pu' 'w_prn_a'
  call 'w_fu_pu_ch'
  set w_send_string ''
  concat w_send_string 'PX A ' w_prn
  call 'w_fu_send' '' w_send_string 'y' ' '
endif


*** Option '5'
**************
if option = '5'  *** Detach Printer ***
  call 'w_fu_pu' 'w_prn_d'
  call 'w_fu_pu_ch'
  set w_send_string ''
  concat w_send_string 'PX D ' w_prn
  call 'w_fu_send' '' w_send_string 'y' ' '
endif


*** Option '6'
**************
*** switch from Lufthansa mode to Amadeus mode
if option = '6'    *** RFC 667/JT@14MAR94 - ADD AMADEUS SI OPTION
* AMADEUS SIGN-IN
  set w_send_string 'BYA'
  call 'w_fu_send' '' w_send_string 'y' ' '
  set from_si '1'
  call 'amadeus'
  call 'er_check_pause'
  call 'w_prompt'
  exit
endif


*** Option '7'
**************
*** switch from Amadeus mode to Lufthansa mode
if option = '7'
  set w_send_string 'BYL'
  call 'w_fu_send' '' w_send_string 'y' ' '
  call 'w_prompt'
endif


*** Option '8'
**************
if option = '8'    *** RFC 654/JT@14MAR94 - OVERWRITE SYS DATE
  ***  DEFAULTS FOR POPUP
  call 'generic_dateplus' sys_date
  execute 'date_plus' '1' day_info month_info year
  set sys_date_2moro day_info
  concat sys_date_2moro month_info
  execute 'date_plus' '2' day_info month_info year
  set sys_date_day_aft day_info
  concat sys_date_day_aft month_info
```

```
  *** SOLICIT USER FOR PREFERENCE
  call 'er_bl_pick_list' 'sys_date' option_date '3'
  call 'er_check_pause'
  *** SET VALUE TO BE PASSED ALONG  AS INCREMENT OFF TODAY
  if option_date = '3'    * RESET TO TODAY
    set system_date_flag '0'
  else
    set system_date_flag option_date
  endif
  exit
endif


*** Option '9'
**************
if option = '9'
  *** Change from Guide/Weight & Balance to Guide/Checkin ***
  next keypad 'initial'
endif
```

```
*
* Subroutine: W_UPDATE_CA
*
* Update Control Action Variables
* updates one of the eight control action variables referring to
* the actual flight
************************************************************


* write w_act_flt_ca (control action of actual flight) into
* the corresponding control action variable of one of the eight flights

switch w_act_flt_nr
  case '1'
    set w_flt_1ca w_act_flt_ca
  case '2'
    set w_flt_2ca w_act_flt_ca
  case '3'
    set w_flt_3ca w_act_flt_ca
  case '4'
    set w_flt_4ca w_act_flt_ca
  case '5'
    set w_flt_5ca w_act_flt_ca
  case '6'
    set w_flt_6ca w_act_flt_ca
  case '7'
    set w_flt_7ca w_act_flt_ca
  case '8'
    set w_flt_8ca w_act_flt_ca
endswitch
```

```
*
* script: W_WCK
*
* Weight & Balance WCK Transaction
*
*
************************************************************


set host_er_nbr '0'
** check if script shall continue
call 'w_check_cont'
set w_count '0'


*** Send WCK
************
set w_send_string ''
concat w_send_string 'WCK ' w_act_flt
call 'w_fu_send' '' w_send_string 'y' ' '


findstring 'WCKI' row col '1' '1' '1' ''
if col = '1'
  set w_assign '1'
else
  set w_assign '0'
endif


findstring 'R' row col '8' '5' '1' ''
if col = '5'  ** 'R' found ---> more than one destination
  call 'w_fu_di' 'More than one destination not yet supported' 'S'
  call 'w_gen_edit' 'read_buf'
  exit
endif


** Filling the WCK variables
label 'fill_mask'
call 'w_wck_fill'

if w_assign = '0'
  call 'w_fu_di' 'D I S P L A Y   O N L Y  (flight not assigned)'
endif


*** determine the right popup for current WCK and display it
************************************************************
call 'w_wck_mask_ch'  ** check which popup to display
label 'again'
set w_temp ''
copy w_temp w_send '1' '3'
if w_count <> '1'
  set cursor_position 'w_wck_l1'
endif
if w_wck_nr_ap = '1'  ** only one dest. = point to point flight
  if w_wck_nr_cl = '1'
    call 'w_fu_pu' 'w_wck_11'
  endif
  if w_wck_nr_cl = '2'
    call 'w_fu_pu' 'w_wck_12'
  endif
  if w_wck_nr_cl = '3'
    call 'w_fu_pu' 'w_wck_13'
  endif
  call 'w_fu_pu_ch'
else    ** more than one destination is not handled by now
  if host_er_nbr = '0'
    call 'w_gen_edit'
    exit
  else
    call 'delay' '2'
```

```
    call 'w_prompt'
exit
  endif
endif


*** Check change of Airport
**************************
set w_temp1 ''
copy w_temp1 w_send '1' '3'
if w_temp1 <> w_temp  ** diff. airport
  set w_send_string ''
  concat w_send_string 'WCKI ' w_act_flt '  •' w_temp1
  call 'w_fu_send' ' ' w_send_string 'y' ' '
  goto 'fill_mask'
endif


*** Check user input
*******************
set w_count '0'
call 'w_wck_ch'
if w_count = '1'
  goto 'again'
endif

*** Sending the mask
*******************
if w_assign = '0'
  goto 'END'
endif
call 'w_wck_send'


*** check response
call 'w_check_er'
if host_er_nbr <> '0'
  ** send WCK in order to fill unisys msg. buffer again
  ** (has been overwritten by error response from host)
set w_send_string ''
  concat w_send_string 'WCK ' w_act_flt
  execute 'unisys_send' w_send_string 'y' ' ' ' ' host_er_nbr
  goto 'again'
endif
label 'END'
if w_assign = '1'
  call 'delay' '2'
endif
call 'w_prompt'
```

```
*
* Subroutine: W_WCK_CH
*
* Weight & Balance WCK Subroutine CHECK user input
*
*
************************************************************


*** seventh line
call 'w_ch_len' w_wck_l1
call 'w_ch_len' w_wck_l2
call 'w_ch_len' w_wck_l3
* call 'w_ch_len' w_wck_l4
* call 'w_ch_len' w_wck_l5
call 'w_ch_len' w_wck_cs_1
call 'w_ch_len' w_wck_pcs_1
call 'w_ch_len' w_wck_wght_1
call 'w_ch_len' w_wck_cab_1
call 'w_ch_len' w_wck_am_1
call 'w_ch_len' w_wck_fem_1
call 'w_ch_len' w_wck_chd_1
call 'w_ch_len' w_wck_in_1


if w_wck_bag_option <> 'A'
  if w_wck_bag_option <> 'S'
    call 'w_fu_di' 'Bag Option: Only "A" or "S" allowed'
    set cursor_position 'w_wck_bag_option'
    set w_count '1'
    return
  endif
endif


if w_wck_dis <> 'S'
  if w_wck_dis <> 'C'
    if w_wck_dis <> 'M'
call 'w_fu_di' 'Distr.: Only "S", "C" or "M" allowed'
      set cursor_position 'w_wck_dis'
      set w_count '1'
      return
    endif
  endif
endif
```

```
*
* Subroutine: W_WCK_FILL
*
* Weight & Balance WCK Subroutine: Read data from WCK Transaction
* and put them into the variables in the popup W_WDF
* called by W_WCK
************************************************************


** reset variables
set w_act_fltc w_act_flt
set w_send ''
set w_send_5 ''
set w_send_6 ''
set w_wck_line ''
set w_wck_line_2 ''
set w_wck_line5 ''
set w_wck_line6 ''

** first line
copystring  '1' '20' '59' w_send

** second line
copystring  '2' '18' '43' w_wck_line
copystring  '2' '64'  '2' w_wck_cs
copystring  '2' '66' '15' w_wck_line_2

** third line
copystring  '3' '56'  '1' w_wck_bag_option

** fourth line
copystring  '4'  '1'  '78' w_wck_line4

** fifth line and following (all airports, all passengers, max. = 4)
copystring  '5'  '1' '78' w_wck_line5
copystring  '8'  '1'  '3' w_wfo_a3
* copystring  '10'  '7'  '3' w_wck_sum_2
copystring '11'  '1'  '3' w_wfo_a4
* copystring  '13'  '7'  '3' w_wck_sum_3
copystring '14'  '1'  '3' w_wfo_a5
* copystring  '16'  '7'  '3' w_wck_sum_4

** sixth line
copystring  '6'  '1' '78' w_wck_line6

** seventh line
copystring  '7'  '7'  '3' w_wck_sum_1
copystring  '7' '13'  '3' w_wck_l1
copystring  '7' '18'  '3' w_wck_l2
copystring  '7' '23'  '3' w_wck_l3
* copystring  '7' '28'  '3' w_wck_l4
* copystring  '7' '33'  '3' w_wck_l5
copystring  '7' '39'  '2' w_wck_cs_1
copystring  '7' '43'  '3' w_wck_pcs_1
copystring  '7' '48'  '5' w_wck_wght_1
copystring  '7' '54'  '4' w_wck_cab_1
copystring  '7' '65'  '3' w_wck_am_1
copystring  '7' '69'  '3' w_wck_fem_1
copystring  '7' '73'  '3' w_wck_chd_1
copystring  '7' '77'  '2' w_wck_in_1

** eight line
copystring  '8' '22' '11' w_wck_distribut
copystring  '8' '72'  '6' w_wck_diff_undis

** nineth line
copystring  '9' '10'  '2' w_wck_sec_1
copystring  '9' '16'  '2' w_wck_sec_2
copystring  '9' '22'  '2' w_wck_sec_3
copystring  '9' '28'  '2' w_wck_sec_4
copystring  '9' '34'  '2' w_wck_sec_5
copystring  '9' '40'  '2' w_wck_sec_6
copystring  '9' '46'  '2' w_wck_sec_7
```

```
copystring  '9' '52'  '2' w_wck_sec_8
copystring  '9' '58'  '2' w_wck_sec_9
copystring  '9' '64'  '2' w_wck_sec_10
copystring  '9' '70'  '2' w_wck_sec_11
copystring  '9' '76'  '2' w_wck_sec_12

** tenth line
copystring '10'  '9'  '1' w_wck_cap_a1
copystring '10' '10'  '3' w_wck_cap_b1
copystring '10' '15'  '1' w_wck_cap_a2
copystring '10' '16'  '3' w_wck_cap_b2
copystring '10' '21'  '1' w_wck_cap_a3
copystring '10' '22'  '3' w_wck_cap_b3
copystring '10' '27'  '1' w_wck_cap_a4
copystring '10' '28'  '3' w_wck_cap_b4
copystring '10' '33'  '1' w_wck_cap_a5
copystring '10' '34'  '3' w_wck_cap_b5
copystring '10' '39'  '1' w_wck_cap_a6
copystring '10' '40'  '3' w_wck_cap_b6
copystring '10' '45'  '1' w_wck_cap_a7
copystring '10' '46'  '3' w_wck_cap_b7
copystring '10' '51'  '1' w_wck_cap_a8
copystring '10' '52'  '3' w_wck_cap_b8
copystring '10' '57'  '1' w_wck_cap_a9
copystring '10' '58'  '3' w_wck_cap_b9
copystring '10' '63'  '1' w_wck_cap_a10
copystring '10' '64'  '3' w_wck_cap_b10
copystring '10' '69'  '1' w_wck_cap_a11
copystring '10' '70'  '3' w_wck_cap_b11
copystring '10' '75'  '1' w_wck_cap_a12
copystring '10' '76'  '3' w_wck_cap_b12

** eleventh line
copystring '11'   '6' '3' w_wck_dis
copystring '11'  '10' '3' w_wck_dis_1
copystring '11'  '16' '3' w_wck_dis_2
copystring '11'  '22' '3' w_wck_dis_3
copystring '11'  '28' '3' w_wck_dis_4
copystring '11'  '34' '3' w_wck_dis_5
copystring '11'  '40' '3' w_wck_dis_6
copystring '11'  '46' '3' w_wck_dis_7
copystring '11'  '52' '3' w_wck_dis_8
copystring '11'  '58' '3' w_wck_dis_9
copystring '11'  '64' '3' w_wck_dis_10
copystring '11'  '70' '3' w_wck_dis_11
copystring '11'  '76' '3' w_wck_dis_12

** determine the nr. of spaces at the end, followed by '•'
findstring 'DISTRIBUTION' row col '8' '' '1' '' ''
add row '1'
** let w_row point to the line(row) after the row containing the
** the word 'DISTRIBUTION'
set w_row row


*** search for the last '-' in the line after the line containing
*** the word 'DISTRIBUTION'
set w_col '1'

label 'det_spaces'

** search '-' only in line w_row, beginning with column w_count
findstring '-' row col w_row w_row w_col '' ''
set w_col col
add w_col '1'
if col <> ''
  set w_count col
endif
if col
  goto 'det_spaces'
endif
set w_col w_count
** let w_col point to the first space of the rest of the line
```

```
add w_col '1'
** let w_row point to the last line
add w_row '2'
```

```
*
* script: W_WCK_MASK_CH
*
* Weight & Balance check which WCK mask to take
*
*
************************************************************


*** determine the number of classes on screen (W_WCK_NR_CL)
************************************************************
set w_wck_nr_cl ''
copystring '4' '35' '1' w_char
if w_char <> ''
  set w_wck_nr_cl '5'
  goto 'go_on'
endif
copystring '4' '30' '1' w_char
if w_char <> ''
  set w_wck_nr_cl '4'
  goto 'go_on'
endif
copystring '4' '25' '1' w_char
if w_char <> ''
  set w_wck_nr_cl '3'
  goto 'go_on'
endif
copystring '4' '20' '1' w_char
if w_char <> ''
  set w_wck_nr_cl '2'
  goto 'go_on'
endif
copystring '4' '15' '1' w_char
if w_char <> ''
  set w_wck_nr_cl '1'
  goto 'go_on'
endif


label 'go_on'
*** determine the number of airports on screen (W_WCK_NR_AP)
*** at the moment only from 1..4 !!!
************************************************************
set w_wck_nr_ap ''
copystring '14' '5' '1' w_char
if w_char = 'R'
  set w_wck_nr_ap '4'
endif
copystring '11' '5' '1' w_char
if w_char = 'R'
  set w_wck_nr_ap '3'
endif
copystring  '8' '5' '1' w_char
if w_char = 'R'
  set w_wck_nr_ap '2'
endif
copystring  '5' '5' '1' w_char
if w_char = 'R'
  set w_wck_nr_ap '1'
endif
```

```
*
* Subroutine: W_WCK_SEND
*
* Weight & Balance Sending every line of the WCK mask
* called by W_WCK
*
************************************************************


*** note: character '•' is a tab (ALT-249 / ESC HT)
************************************************


*** Send first line
set w_send_string ''
copystring '1' '1' '80' w_send_string
execute 'unisys_send' w_send_string ' ' '60' 'I' host_er_nbr


*** Send second line
set w_send_string ''
copystring '2' '1' '63' w_send_string
concat w_send_string w_wck_cs
di_length w_wck_cs w_len w_slack
if w_len < '2'
  concat w_send_string '.'
endif
copystring  '2' '66' '15' w_wck_line_2  ** may have been
                                        ** corrupted by user
concat w_send_string w_wck_line_2
execute 'unisys_send' w_send_string ' ' '60' 'C' host_er_nbr


*** Send third line
set w_send_string ''
concat w_send_string '----------- PAX PER CLASS --------------- B'
concat w_send_string 'AG  OPTION:•' w_wck_bag_option
concat w_send_string '---SBY- PAX PER CAT --'
execute 'unisys_send' w_send_string ' ' '60' 'C' host_er_nbr


*** Send fourth line
set w_send_string ''
concat w_send_string '                                          C'
concat w_send_string 'S  PCS  WGHT  CAB       A/M FEM CHD IN'
execute 'unisys_send' w_send_string ' ' '60' 'C' host_er_nbr


*** Send fifth line
set w_send_string ''
copystring '5' '1' '80' w_send_string
execute 'unisys_send' w_send_string ' ' '60' 'C' host_er_nbr


*** Send sixth line
set w_send_string ''
copystring '6' '1' '80' w_send_string
execute 'unisys_send' w_send_string ' ' '60' 'C' host_er_nbr


*** Send seventh line
set w_send_string ''
concat w_send_string '    L ' w_wck_sum_1
if w_wck_nr_cl = '1'
  concat w_send_string '  •' w_wck_l1
  concat w_send_string '                     •'
endif
if w_wck_nr_cl = '2'
  concat w_send_string '  •' w_wck_l1
  concat w_send_string ' •' w_wck_l2
  concat w_send_string '                  •'
endif
if w_wck_nr_cl = '3'
```

```
  concat w_send_string '  •' w_wck_l1
  concat w_send_string ' •' w_wck_l2
  concat w_send_string ' •' w_wck_l3
concat w_send_string '            •'
endif
if w_wck_nr_cl = '4'
  concat w_send_string '  •' w_wck_l1
  concat w_send_string ' •' w_wck_l2
  concat w_send_string ' •' w_wck_l3
  *  concat w_send_string ' •' w_wck_l4
  concat w_send_string '       •'
endif
if w_wck_nr_cl = '5'
  concat w_send_string '  •' w_wck_l1
  concat w_send_string ' •' w_wck_l2
  concat w_send_string ' •' w_wck_l3
  *  concat w_send_string ' •' w_wck_l4
  *  concat w_send_string ' •' w_wck_l5
  concat w_send_string '  •'
endif
concat w_send_string w_wck_cs_1   ' •'
concat w_send_string w_wck_pcs_1  ' •'
concat w_send_string w_wck_wght_1 '•'
concat w_send_string w_wck_cab_1  '      •'
concat w_send_string w_wck_am_1   '•'
concat w_send_string w_wck_fem_1  '•'
concat w_send_string w_wck_chd_1  '•'
concat w_send_string w_wck_in_1
execute 'unisys_send' w_send_string ' ' '60' 'C' host_er_nbr


*** Send eighth line
set w_send_string ''
copystring '8' '1' '80' w_send_string
execute 'unisys_send' w_send_string ' ' '60' 'C' host_er_nbr


*** Send nineth line
set w_send_string ''
copystring '9' '1' '80' w_send_string
execute 'unisys_send' w_send_string ' ' '60' 'C' host_er_nbr


*** Send tenth line
** variables have been changed although change not allowed
** so: update variables
copystring '10'  '9'  '1' w_wck_cap_a1
copystring '10' '15'  '1' w_wck_cap_a2
copystring '10' '21'  '1' w_wck_cap_a3
copystring '10' '27'  '1' w_wck_cap_a4
copystring '10' '33'  '1' w_wck_cap_a5
copystring '10' '39'  '1' w_wck_cap_a6
copystring '10' '45'  '1' w_wck_cap_a7
copystring '10' '51'  '1' w_wck_cap_a8
copystring '10' '57'  '1' w_wck_cap_a9
copystring '10' '63'  '1' w_wck_cap_a10
copystring '10' '69'  '1' w_wck_cap_a11
copystring '10' '75'  '1' w_wck_cap_a12
set w_send_string ''
concat w_send_string 'CAP     ' w_wck_cap_a1 w_wck_cap_b1
set w_temp ''
concat w_temp '  ' w_wck_cap_a2
concat w_send_string w_temp w_wck_cap_b2
set w_temp ''
concat w_temp '  ' w_wck_cap_a3
concat w_send_string w_temp w_wck_cap_b3
set w_temp ''
concat w_temp '  ' w_wck_cap_a4
concat w_send_string w_temp w_wck_cap_b4
set w_temp ''
concat w_temp '  ' w_wck_cap_a5
concat w_send_string w_temp w_wck_cap_b5
set w_temp ''
```

```
concat w_temp '  ' w_wck_cap_a6
concat w_send_string w_temp w_wck_cap_b6
set w_temp ''
concat w_temp '  ' w_wck_cap_a7
concat w_send_string w_temp w_wck_cap_b7
set w_temp ''
concat w_temp '  ' w_wck_cap_a8
concat w_send_string w_temp w_wck_cap_b8
set w_temp ''
concat w_temp '  ' w_wck_cap_a9
concat w_send_string w_temp w_wck_cap_b9
set w_temp ''
concat w_temp '  ' w_wck_cap_a10
concat w_send_string w_temp w_wck_cap_b10
set w_temp ''
concat w_temp '  ' w_wck_cap_a11
concat w_send_string w_temp w_wck_cap_b11
set w_temp ''
concat w_temp '  ' w_wck_cap_a12
concat w_send_string w_temp w_wck_cap_b12
execute 'unisys_send' w_send_string ' ' '60' 'C' host_er_nbr


*** Send eleventh line
set w_send_string ''
concat w_send_string 'DIS •' w_wck_dis '  •' w_wck_dis_1
if w_wck_cap_a2 <> ''
  concat w_send_string '  •' w_wck_dis_2
endif
if w_wck_cap_a3 <> ''
  concat w_send_string '  •' w_wck_dis_3
endif
if w_wck_cap_a4 <> ''
  concat w_send_string '  •' w_wck_dis_4
endif
if w_wck_cap_a5 <> ''
  concat w_send_string '  •' w_wck_dis_5
endif
if w_wck_cap_a6 <> ''
  concat w_send_string '  •' w_wck_dis_6
endif
if w_wck_cap_a7 <> ''
  concat w_send_string '  •' w_wck_dis_7
endif
if w_wck_cap_a8 <> ''
  concat w_send_string '  •' w_wck_dis_8
endif
if w_wck_cap_a9 <> ''
  concat w_send_string '  •' w_wck_dis_9
endif
if w_wck_cap_a10 <> ''
  concat w_send_string '  •' w_wck_dis_10
endif
if w_wck_cap_a11 <> ''
  concat w_send_string '  •' w_wck_dis_11
endif
if w_wck_cap_a12 <> ''
  concat w_send_string '  •' w_wck_dis_12
endif
** add the in subroutine W_WCK_FILL determined nr. of spaces,
** followed by '•'
set col '80'
subtract col w_col
copystring w_row w_col col w_send_1
concat w_send_string w_send_1


execute 'unisys_send' w_send_string ' ' '60' 'S' host_er_nbr
```

```
*
* script: W_WCM
*
* Weight & Balance WCM Transaction
*
*
************************************************************


** check if script shall continue
call 'w_check_cont'


*** Send WCM
set w_send_string ''
concat w_send_string 'WCM ' w_act_flt
call 'w_fu_send' w_win w_send_string ' ' ' '
call 'delay' '2'
call 'w_prompt'
next keypad 'w_kp_wrk'
```

```
*
* script: W_WDF
*
* Weight & Balance WDF Transaction
*
*
************************************************************


** check if script shall continue
call 'w_check_cont'
set w_error '0'

set w_act_fltc w_act_flt


*** Send WDF
************
set w_send_string ''
concat w_send_string 'WDF ' w_act_flt
call 'w_fu_send' ' ' w_send_string 'y' ' '

set w_temp ''
findstring 'tail' row col '7' '7' '50' '80'
if col
  set w_temp 'tt'
endif

findstring 'WDFI' row col '10' '10' '1' ''
if col = '2'
  set w_assign '1'
else
  set w_assign '0'
endif

** fill WDF mask
****************
call 'w_wdf_fill'

if w_assign = '0'
  call 'w_fu_di' 'D I S P L A Y   O N L Y  (flight not assigned)'
endif


*** display popup WDF
*********************
label 'again'
if w_error <> '1'  ** no error
  set cursor_position 'w_wdf_trip'
endif
if w_temp <> ''
  call 'w_fu_pu' 'w_wdf_tt'
else
  call 'w_fu_pu' 'w_wdf'
endif
call 'w_fu_pu_ch'


if w_assign = '0'
  goto 'END'
endif


*** check input
***************
set w_error '0'
call 'w_wdf_ch'
if w_error = '1'
  goto 'again'
endif


*** Sending every line of the mask
```

```
*********************************

*** note: character '•' is a tab (ALT-249 / ESC HT)
*** Send first line
set w_send_string ''
concat w_send_string 'WDFI ' w_act_flt '   FRA•'
concat w_send_string w_wdf_fzfw   '   /  •'
concat w_send_string w_wdf_trip   '   /  •'
concat w_send_string w_wdf_mintof '   /  •'
concat w_send_string w_wdf_acttof
if w_temp <> ''
  concat w_send_string '   •' w_wdf_tailtank
endif
execute 'unisys_send' w_send_string ' ' '60' 'I' host_er_nbr

*** Send second line (empty)
execute 'unisys_send' ' ' ' ' '60' 'C' host_er_nbr

*** Send third line
set w_send_string ''
concat w_send_string '                         TAXI    PCFT    REMARKS'
execute 'unisys_send' w_send_string ' ' '60' 'C' host_er_nbr

*** Send fourth line
set w_send_string ''
concat w_send_string '                        •' w_wdf_taxi '   •'
concat w_send_string w_wdf_pcft '   •' w_wdf_remarks
execute 'unisys_send' w_send_string ' ' '60' 'C' host_er_nbr

*** Send fifth line
set w_send_string ''
concat w_send_string '                                          •'
concat w_send_string w_wdf_remarks1
execute 'unisys_send' w_send_string ' ' '60' 'S' host_er_nbr
call 'w_check_er'


if host_er_nbr <> '0'
  goto 'again'
endif


label 'END'
if w_assign = '1'
  call 'delay' '2'
endif
call 'w_prompt'
```

```
*
* Subroutine: W_WDF_CH
*
* Weight & Balance WDF Subroutine CHECK user input
*
*
************************************************************


if w_temp <> ''  ** Tail Tank
  if w_wdf_tailtank1 = 'N'
    return
  endif
  if w_wdf_tailtank1 = 'Y'
    return
  endif
  if w_wdf_tailtank = 'N'
    return
  endif
  if w_wdf_tailtank = 'Y'
    return
  endif

  call 'w_fu_di' 'Tail Tank (Y)es or (N)o?'
  set cursor_position 'w_wdf_tailtank'
  set w_error '1'
endif
```

```
*
* Subroutine: W_WDF_FILL
*
* Weight & Balance WDF Subroutine: Read data from WDF Transaction
* and put them into the variables in the popup W_WDF
*
************************************************************


copystring  '1' '20' '59' w_send
copystring  '6' '11' '6'  w_wdf_ezfw
copystring  '9' '25' '6'  w_wdf_fzfw1
copystring '10' '25' '6'  w_wdf_fzfw
copystring  '9' '38' '6'  w_wdf_trip1
copystring '10' '38' '6'  w_wdf_trip
copystring  '9' '51' '6'  w_wdf_mintof1
copystring '10' '51' '6'  w_wdf_mintof
copystring  '9' '64' '6'  w_wdf_acttof1
copystring '10' '64' '6'  w_wdf_acttof
if w_temp = 'tt'                                    *if with tail tank
  copystring  '9' '76' '1'  w_wdf_tailtank1
  copystring '10' '76' '1'  w_wdf_tailtank
endif

copystring '13' '25' '4'  w_wdf_taxi
copystring '13' '33' '4'  w_wdf_pcft
copystring '13' '41' '35' w_wdf_remarks
copystring '14' '41' '35' w_wdf_remarks1
```

```
************************************************************
* script: W_WES
*
* Weight & Balance WES Transaction
*
*
************************************************************

*** set variables to zero
*********************************
call 'w_wes_init'


*** check if script shall continue
*********************************
call 'w_check_cont'
set w_act_fltc w_act_flt
set rt_page_flag '0' * added Aug 15 by SDT  to reset paging


*** send WES and read it out
*************************
set w_send_string ''
concat w_send_string 'WES ' w_act_flt
call 'w_fu_send' 'a' w_send_string '' '' ''

if host_er_nbr = '0'
  findstring 'WESI' row col '1' '' '1' ''
  if col   ** found
    set w_assign '1' ** yes, assigned to act. flight
  else
    set w_assign '0' ** no, not assigned
  endif
else         ** host_er_nbr <> '0'
  call 'delay' '2'
  call 'w_prompt'
  exit
endif

*** check if control action variable set
****************************************
call 'w_check_ca'

***if don't assigned ---> exit
if w_assign = '0'
  call 'w_fu_di' 'D I S P L A Y   O N L Y  (flight not assigned)' 's'
  exit
endif


*** checking registration
*************************
set cursor_position 'w_registration'
call 'w_wes_regist' ''
if host_er_nbr <> '0'
   call 'w_wes_regist'
endif


*** set cursor in popup
***********************
if w_act_flt_ca < '2'
  copystring '4' '5' '2'  w_temp                    * if grp <> ''
  if w_temp = '..'
    set cursor_position 'w_wes_grp'
  else
   set cursor_position 'w_wes_pbt'
  endif
else
  copystring '4' '5' '2'  w_temp                    * if grp <> ''
  if w_temp = '..'
    set cursor_position 'w_wes_grp'
  else
```

```
    set cursor_position 'w_wes_pax'
  endif
endif


***  Filling WES             *don't use
***************
*call 'w_wes_fill'


*** check if DOW / DOI after WFMI 2, before WFMI 3
************************************************
label 'dowi'
if w_act_flt_ca < '3'
  copystring  '12' '24' '6'   w_wes_dowi
  copystring '4' '5' '2'  w_temp                    * if grp <> ''
  if w_temp <> '..'
    if w_wes_dowi = '.....0'
      set w_wes_dowi ''
      set w_wes_doi ''

      label 'dowi_err'                      *error by DOWI input

      call 'w_fu_pu' 'w_dowi'
      call 'w_fu_pu_ch'
      if w_wes_doi <> ''
        if w_wes_dowi <> ''
          set w_send_string ''
          concat w_send_string 'wesi ' w_act_flt
          concat w_send_string ' dowi ' w_wes_dowi '/' w_wes_doi
          call 'w_fu_send' 'a' w_send_string '' ''
          if host_er_nbr = '0'
          else
            goto 'dowi_err'
          endif
         endif
      else
        goto 'dowi'
      endif
    endif
  endif
*   if w_act_flt_ca < '4'
*     exit
*   endif
endif

*** set popup and fill water variable
*************************************
findstring 'water' row col '4' '4' '68' ''
if row
else
  set w_wes_water 'xxxx'
endif

findstring 'TARE' row col '16' '' '1' ''
if row
else
  set w_wes_tare 'xxxxx'
endif

copystring '8' '11' '3'  w_wes_pax1
copystring '17' '1' '3'  w_wes_eic

if w_act_flt_ca < '2'
  set w_wes_pop 'w_wes_gr'
else
  findstring 'cab' row  col '14' '14' '1' ''
  if row                                    * if cab
    if w_wes_eic = 'eic'                    * if eic
      if w_wes_pax1 = 'est'                 * if estimates
        set w_wes_pop 'w_wes_e1'
      else
        set w_wes_pop 'w_wes_a1'         * else actuals with cab,eic
```

```
      endif
    else
      if w_wes_pax1 = 'est'                * if estimates  with cab
        set w_wes_pop 'w_wes_e3'
      else
        set w_wes_pop 'w_wes_a3'           * else actuals with cab
      endif
    endif
  else
    if w_wes_eic = 'eic'                   * if eic
      if w_wes_pax1 = 'est'                * if estimates
        set w_wes_pop 'w_wes_e2'
      else
        set w_wes_pop 'w_wes_a2'         * else actuals with cab,eic
      endif
    else
      if w_wes_pax1 = 'est'                * if estimates
        set w_wes_pop 'w_wes'
      else
        set w_wes_pop 'w_wes_ac'           * else actuals
      endif
    endif
  endif
endif

set  w_wes_eic ''
set  w_wes_cab ''

label 'again'

call 'w_fu_pu'  w_wes_pop
call 'w_fu_pu_ch'
if yes_no = 'y'
 call 'w_wes_regist' '1'
   if host_er_nbr <> '0'
     call 'w_wes_regist' '1'
   endif
endif


*** check popup input
*********************
call 'w_wes_input'

*** prepare to send
*******************
call 'w_wes_send' w_label
if w_error <> ''
  copy w_label w_error '1' '5'
  set w_error ''
  goto 'again'
endif
call 'w_wes_send1' w_label
if w_error <> ''
  copy w_label w_error '1' '5'
  set w_error ''
  goto 'again'
endif

set w_send_string ''
concat w_send_string 'wes ' w_act_flt
call 'w_fu_send' 'a' w_send_string '' '' ''

if w_act_flt_ca < '2'              * don't send pax... before wfmi 2
*  call 'w_fu_di' \
*   'pax,bag only after WFMI 2 and before WFMI 4' ''
*  return
else
  call 'w_wes_send2' w_label
  if w_error <> ''
    copy w_label w_error '1' '5'
    set w_error ''
    goto 'again'
```

```
  endif
endif
call 'w_prompt'
```

```
*
* Subroutine: W_WES_FILL
*                       called by W_WES
*
* Weight & Balance WES Subroutine: Read data from WES Transaction
* and put them into the variables in the popup W_WES
*
************************************************************


copystring '4' '5' '2'  w_wes_grp
copystring '5' '5' '1'  w_wes_crw
copystring '5' '7' '2'  w_wes_crw1
copystring '5' '10' '2' w_wes_crw11
copystring '6' '5' '1'  w_wes_pbt
copystring '6' '7' '2'  w_wes_pbt1
copystring '6' '10' '3' w_wes_pbt11

copystring '4' '19' '6'  w_wes_mzfw
copystring '5' '19' '6'  w_wes_mtow
copystring '6' '19' '6'  w_wes_mlaw


copystring '4' '30' '6'  w_wes_adj_mzfw
copystring '5' '30' '6'  w_wes_adj_mtow
copystring '6' '30' '6'  w_wes_adj_mlaw

copystring '4' '43' '6'  w_wes_cdwi1
copystring '4' '50' '7'  w_wes_cdwi11
copystring '4' '58' '9'  w_wes_cdwi111
copystring '5' '43' '6'  w_wes_cdwi2
copystring '5' '50' '7'  w_wes_cdwi21
copystring '5' '58' '9'  w_wes_cdwi211
copystring '6' '43' '6'  w_wes_cdwi3
copystring '6' '50' '7'  w_wes_cdwi31
copystring '6' '58' '9'  w_wes_cdwi311

copystring '4' '77' '4'  w_wes_water
copystring '5' '74' '7'  w_wes_lizfw
copystring '6' '74' '7'  w_wes_litow

findstring 'trp' row col '10' '' '1' ''
if row
   copystring '10' '5' '3' w_wes_trp
   copystring '10' '11' '5' w_wes_trp1
endif

copystring '12' '5' '3'   w_wes_pax
copystring '12' '11' '5'  w_wes_pax1
copystring '13' '5' '3'   w_wes_bag
copystring '13' '11' '5'  w_wes_bag1
copystring '15' '10' '6'  w_wes_cgo
copystring '18' '11' '5'  w_wes_mail

findstring 'TARE' row col '16' '' '1' ''
if row
   copystring '16' '11' '5'  w_wes_tare
endif

findstring 'EIC' row col '17' '' '1' ''
if row
   copystring '17' '11' '5'  w_wes_eic
endif
```

```
*
* Subroutine: W_WES_INIT
*
* Weight & Balance WES Subroutine: Init variables
*                                  for WES Transaction
* called by W_WES
*
*************************************************************

set  yes_no          'n'
set  w_send_string   ' '
set  cursor_position ' '
set  w_temp          ' '
set  w_temp1         ' '
set  w_error         ' '
set  w_label         ' '
set  w_registration  ' '
set  w_version       ' '
set  w_a/c_type      ' '
set  w_wes_dowi      ' '
set  w_wes_doi       ' '
set  w_wes_dowi1     ' '
set  w_wes_grp     ''
set  w_wes_crw     ''
set  w_wes_crw1    ''
set  w_wes_crw11   ''
set  w_wes_pbt     ''
set  w_wes_pbt1     ''
set  w_wes_pbt11    ''

set  w_wes_mzfw     ''
set  w_wes_mtow     ''
set  w_wes_mlaw     ''


set  w_wes_adj_mzfw     ''
set  W_wes_adj_mtow     ''
set  w_wes_adj_mlaw     ''

set  w_wes_cdwi1     ''
set  w_wes_cdwi11     ''
set  w_wes_cdwi111     ''
set  w_wes_cdwi2     ''
set  w_wes_cdwi21     ''
set  w_wes_cdwi211     ''
set  w_wes_cdwi3     ''
set  w_wes_cdwi31     ''
set  w_wes_cdwi311     ''

set  w_wes_water     ''
set  w_wes_lizfw     ''
set  w_wes_litow      ''

set  w_wes_trp     ''
set  w_wes_trp1     ''
set  w_wes_pax     ''
set  w_wes_pax1     ''
set  w_wes_bag     ''
set  w_wes_bag1     ''
set  w_wes_cgo     ''

set  w_wes_tare     ''
set  w_wes_eic     ''
set  w_wes_mail     ''
```

```
*****************************************************
* Subroutine: W_WES_INPUT
*
*             check POPUP W_WES input for correct
*
* CALLED BY: W_WES
*
*
*****************************************************

set cursor_position ' '

*** error checking of input
if w_wes_cdwi1 <> ''
  call 'w_er_wes' w_wes_cdwi1  'w_wes_cdwi1'  '1'
  call 'w_er_wes' w_wes_cdwi11 'w_wes_cdwi11' '1'
  call 'w_er_wes' w_wes_cdwi11 'w_wes_cdwi11' '2'
  call 'w_er_wes' w_wes_cdwi11 'w_wes_cdwi11' '3'*only number or ','
  call 'w_er_wes' w_wes_cdwi11 'w_wes_cdwi11' '4'*allowed
  call 'w_er_wes' w_wes_cdwi11 'w_wes_cdwi11' '5'
  call 'w_er_wes' w_wes_cdwi11 'w_wes_cdwi11' '6'
endif
if w_wes_cdwi2 <> ''
  call 'w_er_wes' w_wes_cdwi2  'w_wes_cdwi2'  '1'
  call 'w_er_wes' w_wes_cdwi21 'w_wes_cdwi21' '2'
  call 'w_er_wes' w_wes_cdwi21 'w_wes_cdwi21' '3'
  call 'w_er_wes' w_wes_cdwi21 'w_wes_cdwi21' '4'
  call 'w_er_wes' w_wes_cdwi21 'w_wes_cdwi21' '5'
  call 'w_er_wes' w_wes_cdwi21 'w_wes_cdwi21' '6'
endif
if w_wes_cdwi3 <> ''
  call 'w_er_wes' w_wes_cdwi3  'w_wes_cdwi3'  '1'
  call 'w_er_wes' w_wes_cdwi31 'w_wes_cdwi31' '2'
  call 'w_er_wes' w_wes_cdwi31 'w_wes_cdwi31' '3'
  call 'w_er_wes' w_wes_cdwi31 'w_wes_cdwi31' '4'
  call 'w_er_wes' w_wes_cdwi31 'w_wes_cdwi31' '5'
  call 'w_er_wes' w_wes_cdwi31 'w_wes_cdwi31' '6'
endif
if w_wes_lizfw <> ''
  call 'w_er_wes' w_wes_lizfw  'w_wes_lizwf' '1'
  call 'w_er_wes' w_wes_lizfw  'w_wes_lizwf' '2'
  call 'w_er_wes' w_wes_lizfw  'w_wes_lizwf' '3'
  call 'w_er_wes' w_wes_lizfw  'w_wes_lizwf' '4'
  call 'w_er_wes' w_wes_lizfw  'w_wes_lizwf' '5'
  call 'w_er_wes' w_wes_lizfw  'w_wes_lizwf' '6'
endif
if w_wes_litow <> ''
  call 'w_er_wes' w_wes_litow  'w_wes_litow' '1'
  call 'w_er_wes' w_wes_litow  'w_wes_litow' '2'
  call 'w_er_wes' w_wes_litow  'w_wes_litow' '3'
  call 'w_er_wes' w_wes_litow  'w_wes_litow' '4'
  call 'w_er_wes' w_wes_litow  'w_wes_litow' '5'
  call 'w_er_wes' w_wes_litow  'w_wes_litow' '6'
endif
if w_wes_water <> ''
  if w_wes_water <> 'xxxx'
    call 'w_er_wes' w_wes_water  'w_wes_water' '1'
    call 'w_er_wes' w_wes_water  'w_wes_water' '2'
    call 'w_er_wes' w_wes_water  'w_wes_water' '3'
  endif
endif
clear window 'prompt'
```

```
************************************************************
* subroutine : W_WES_Regist
*  called  by: W_WES
* Weight & Balance WES Transaction
*
*             %1 change registration
************************************************************

if %1 <> ''
  goto 'change'
else

  *** checking registration
  ************************
  copystring '1' '32' '1'  w_temp
  set cursor_position 'w_registration'
  char_type w_temp '1' character_type       *if blank-->no reg.

  label 'version'

  set yes_no 'n'
  set yes_no1 'n'
  set yes_no2 'n'
  set yes_no3 'n'

  if character_type = 'b'
    call 'w_fu_di' 'NO REGISTRATION' 's'
  label 'change'
    call 'w_fu_pu'  'w_wes_vr'
    call 'w_fu_pu_ch'
    if yes_no1 = 'y'                        * HELP WITH FG FLIGHT NR.
      set w_send_string ''
      find 'x' w_act_flt '1' w_pos            * find x in flight nr.
      if w_pos
        di_length w_act_flt w_len w_slack
        subtract  w_pos  '1'
        copy w_temp w_act_flt '1' w_pos         * cut it out
      else
        copy w_temp w_act_flt '1' '8'
      endif
      concat w_send_string 'fg ' w_temp
      call 'w_fu_send' 'a' w_send_string '' ''
      call 'w_fu_pu' 'w_enter'
      call 'w_fu_pu_ch'
    endif
    if yes_no2 = 'y'                      *HELP WITH WRD REGISTRATION
      set w_send_string ''
      concat w_send_string 'wrd  ' w_registration
      if w_registration = ''
        call 'w_fu_di' 'please type registration' 's'
        goto 'version'
      else
        call 'w_fu_send' 'a' w_send_string '' ''
        call 'w_fu_pu' 'w_enter'
        call 'w_fu_pu_ch'
      endif
    endif
    if yes_no3 = 'y'                        *HELP WITH NSY FLIGHT NR.
      set w_send_string ''
      find 'x' w_act_flt '1' w_pos            * find x in flight nr.
      if w_pos
        di_length w_act_flt w_len w_slack
        subtract  w_pos  '1'
        copy w_temp w_act_flt '1' w_pos         * cut it out
      else
        copy w_temp w_act_flt '1' '8'
      endif
      concat w_send_string 'nsy ' w_temp
      call 'w_fu_send' 'a' w_send_string '' ''
      call 'w_fu_pu' 'w_enter'
      call 'w_fu_pu_ch'
    endif
    if w_version = ' '
```

```
      if w_registration = ' '
        call 'w_fu_di' 'please type registration' 's'
        set cursor_position 'w_registration'
goto 'version'
      else
        call 'w_fu_di' 'please type version ' 's'
        set cursor_position 'w_version'
        goto 'version'
      endif
    else
      if w_registration = ' '
        call 'w_fu_di' 'please type registration' 's'
        set cursor_position 'w_registration'
        goto 'version'
      endif
      set w_send_string ''
      concat w_send_string 'wesi ' w_act_flt
      concat w_send_string ' trv ' w_registration '/' w_version
      call 'w_fu_send' 'a' w_send_string '' ''
      if host_er_nbr <> '0'
        goto 'change'
      endif
    endif
  endif
endif
```

```
*
* Subroutine: W_WES_SEND
*
* Weight & Balance WES Subroutine:
*          Read data of WES popup and send them to host.
*
*          send data item after correction
*
************************************************************

set w_send_string ' '
set w_temp1 ''


*** send string and check host response
**********************************
if %1 <> ''
  if %1 = 'GRP'
    goto 'grp'
  endif
  if %1 = 'CRW'
    goto 'CRW'
  endif
  if %1 = 'PBT'
    goto 'PBT'
  endif
  if %1 = 'CDWI1'
    goto 'CDWI1'
  endif
  if %1 = 'CDWI2'
    goto 'CDWI2'
  endif
  if %1 = 'CDWI3'
    goto 'CDWI3'
  endif
else

  label 'GRP'
copystring '4' '5' '2'  w_temp
  if w_wes_grp <> ''
    if w_wes_grp <> w_temp
      concat w_send_string 'WESI ' w_act_flt
      concat w_send_string  ' grp ' w_wes_grp
      call 'w_fu_send' 'a' w_send_string 'y' ''
      if host_er_nbr <> '0'
        if host_er_nbr <> '1'
           call 'delay' '2'
           set w_error 'grp'
           set cursor_position 'w_wes_grp'
           return
        endif
      endif
    endif
  endif

  label 'CRW'
  set w_send_string ' '
  set w_temp1 ''
  copystring '5' '5' '1'  w_temp
  if w_wes_crw <> ''
    if w_wes_crw > '0'
      concat w_send_string 'WESI ' w_act_flt
      concat w_send_string  ' crw ' w_wes_crw
      copystring '5' '7' '2' w_temp
      if w_wes_crw1 <> w_temp
         if w_wes_crw1 <> ''
         concat w_send_string  '/' w_wes_crw1
         copystring '5' '10' '2' w_temp1
           if w_wes_crw11 <> w_temp1
             if w_wes_crw11 <> ''
                concat w_send_string  '/' w_wes_crw11
             endif
             call 'w_fu_send' 'a' w_send_string 'y' ' '
```

```
            if host_er_nbr <> '0'
              if host_er_nbr <> '1'
                call 'delay' '2'
                set w_error 'crw'
                set cursor_position 'w_wes_crw'
                return
              endif
            endif
          endif
        endif
      endif
    endif
   endif

  label 'PBT'
  if w_wes_pbt <> ''
    set w_send_string ' '
    set w_temp1 ''
    copystring '6' '5' '1'  w_temp
    concat w_send_string 'WESI ' w_act_flt
    concat w_send_string  ' pbt ' w_wes_pbt
    copystring '6' '7' '2' w_temp
    if w_wes_pbt1 <> w_temp
      if w_wes_pbt1 <> ''
        concat w_send_string  '/' w_wes_pbt1
        if w_wes_pbt11 <> ' '
          copystring '6' '10' '3' w_temp1
          if w_wes_pbt11 <> w_temp1
            concat w_send_string  '/' w_wes_pbt11
          endif
        endif
        call 'w_fu_send' 'a' w_send_string 'y' ' '
        if host_er_nbr <> '0'
          call 'delay' '2'
          set w_error 'pbt'
          set cursor_position 'w_wes_pbt'
          return
        endif
      endif
    endif
  endif

  label 'CDWI1'
  set w_send_string ' '
  set w_temp1 ''
  copystring '4' '43' '6'  w_temp
  if w_wes_cdwi1 <> ''
    concat w_send_string 'WESI ' w_act_flt
    concat w_send_string ' cdwi1/' w_wes_cdwi1
    copystring '4' '50' '7' w_temp
    concat w_send_string '/' w_wes_cdwi11
    concat w_send_string  '/'
    copystring '4' '58' '9' w_temp1
    if w_wes_cdwi111 <> ''
      concat w_send_string  w_wes_cdwi111
    endif
    call 'w_fu_send' 'a' w_send_string 'y' ' '
    if host_er_nbr <> '0'
      call 'delay' '2'
      set w_error 'cdwi1'
      set cursor_position 'w_wes_cdwi1'
      return
    endif
  endif
  label 'CDWI2'
  set w_send_string ' '
  set w_temp1 ''
  copystring '5' '43' '6'  w_temp
  if w_wes_cdwi2 <> ''
    concat w_send_string 'WESI ' w_act_flt
    concat w_send_string  ' cdwi2/ ' w_wes_cdwi2
    copystring '5' '50' '7' w_temp
*    if w_wes_cdwi21 <> w_temp                          *
```

```
*      if w_wes_cdwi21 <> ''                              *
       concat w_send_string  '/' w_wes_cdwi21
       concat w_send_string  '/'
       copystring '5' '58' '9' w_temp1
*           if w_wes_cdwi211 <> w_temp1                      *
if w_wes_cdwi211 <> ''
         concat w_send_string  w_wes_cdwi211
       endif
       call 'w_fu_send' 'a' w_send_string 'y' ' '
       if host_er_nbr <> '0'
         call 'delay' '2'
         set w_error 'cdwi2'
         set cursor_position 'w_wes_cdwi2'
         return
       endif
*    endif             *
*         endif              *
*       endif                *
  endif
  label 'CDWI3'
  set w_send_string ' '
  set w_temp1 ''
  copystring '6' '43' '6'  w_temp
  if w_wes_cdwi3 <> ''
    concat w_send_string 'WESI ' w_act_flt
    concat w_send_string  ' cdwi3/ ' w_wes_cdwi3
    copystring '5' '50' '7' w_temp
*      if w_wes_cdwi31 <> w_temp                           *
*         if w_wes_cdwi31 <> ''                            *
    concat w_send_string  '/' w_wes_cdwi31
    concat w_send_string  '/'
    copystring '6' '58' '9' w_temp1
*           if w_wes_cdwi311 <> w_temp1                    *
    if w_wes_cdwi311 <> ''
      concat w_send_string  w_wes_cdwi311
    endif
    call 'w_fu_send' 'a' w_send_string 'y' ' '
    if host_er_nbr <> '0'
      call 'delay' '2'
      set w_error 'cdwi3'
      set cursor_position 'w_wes_cdwi3'
      return
endif
*           endif                                  *
*         endif                                    *
*       endif                                      *
  endif

endif * end from 'if label %1' row  16
```

```
*
* Subroutine: W_WES_SEND1
*  called by: W_WES
*
* Weight & Balance WES Subroutine:
*     Read data of WES popup  and send them to host.
*     send data item and check host response
*************************************************************

set w_send_string ' '
set w_temp ' '
set w_temp1 ' '
set w_error ' '

*** send string and check host response
*********************************
if %1 <> ''
  if %1 = 'MZFW'
    goto 'MZFW'
  endif
  if %1 = 'MTOW'
    goto 'MTOW'
  endif
  if %1 = 'MLAW'
    goto 'MLAW'
  endif
  if %1 = 'LITZW'
    goto 'LITZW'
  endif
  if %1 = 'LITOW'
    goto 'LITOW'
  endif
  if %1 = 'WATER'
    goto 'WATER'
  endif
else

  label 'MZFW'
  if w_wes_mzfw <> ''
    copystring '4' '19' '6'  w_temp
    if w_wes_mzfw <> w_temp
      concat w_send_string 'WESI ' w_act_flt
      concat w_send_string  ' mzfw ' w_wes_mzfw
      call 'w_fu_send' 'a' w_send_string 'y' ''
      if host_er_nbr <> '0'
        call 'delay ' '2'
        set w_error 'mzfw'
        set cursor_position 'w_wes_mzfw'
        return
      endif
    endif
  endif

  label 'MTOW'
  if w_wes_mtow <> ''
    set w_send_string ' '
    copystring '5' '19' '6'  w_temp
    if w_wes_mtow <> w_temp
      concat w_send_string 'WESI ' w_act_flt
      concat w_send_string  ' mzfw ' w_wes_mtow
      call 'w_fu_send' 'a' w_send_string 'y' ''
      if host_er_nbr <> '0'
        call 'delay' '2'
        set w_error 'mtow'
        set cursor_position 'w_wes_mtow'
        return
      endif
    endif
  endif
  label 'MLAW'
  if w_wes_mlaw <> ''
    set w_send_string ' '
    copystring '6' '19' '6'  w_temp
```

```
      if w_wes_mlaw <> w_temp
        concat w_send_string 'WESI ' w_act_flt
        concat w_send_string  ' mzfw ' w_wes_mlaw
        call 'w_fu_send' 'a' w_send_string 'y' ''
        if host_er_nbr <> '0'
          call 'delay' '2'
          set w_error 'mlaw'
          set cursor_position 'w_wes_mlaw'
          return
        endif
      endif
    endif

    label 'WATER'
    if w_wes_water <> 'xxxx'
      if w_wes_water <> ''
        copystring '4' '77' '4'  w_temp
        set w_send_string ''
        if w_wes_water <> w_temp
          concat w_send_string 'WESI ' w_act_flt
          concat w_send_string  ' water ' w_wes_water
          call 'w_fu_send' 'a' w_send_string 'y' ''
          if host_er_nbr <> '0'
            call 'delay' '2'
            set w_error 'water'
            set cursor_position 'w_wes_water'
            return
          endif
        endif
      endif
    endif

    label 'LIZFW'
    if w_wes_lizfw <> ''
      copystring '5' '74' '7'  w_temp
      set w_send_string ''
      if w_wes_lizfw <> w_temp
        concat w_send_string 'WESI ' w_act_flt
        concat w_send_string  ' lizfw ' w_wes_lizfw
        call 'w_fu_send' 'a' w_send_string ' ' '' ''
        if host_er_nbr <> '0'
          call 'delay' '2'
          set w_error 'lizfw'
          set cursor_position 'w_wes_lizfw'
          return
        endif
      endif
    endif

    label 'LITOW'
    if w_wes_litow <> ''
      set w_send_string ''
      copystring '6' '74' '7'  w_temp
      if w_wes_litow <> w_temp
        concat w_send_string 'WESI ' w_act_flt
        concat w_send_string  ' litow ' w_wes_litow
        call 'w_fu_send' 'a' w_send_string 'y' ''
        if host_er_nbr <> '0'
          call 'delay' '2'
          set w_error 'litow'
          set cursor_position 'w_wes_litow'
          return
        endif
      endif
    endif

endif * end from 'if label %1' row  16
```

```
*
* Subroutine: W_WES_SEND2
*  called by: W_WES
*
* Weight & Balance WES Subroutine:
*
*          Read data of WES popup  and send them to host.
* send data item only if correct
*************************************************************

set w_send_string ' '
set w_temp ' '
set w_temp1 ' '
set w_error ' '

*** send string and check host response
***********************************

  set w_send_string ' '
  concat w_send_string 'WESI ' w_act_flt

  label 'TRP'
  findstring 'trp' row col '10' '' '1' ''
  if row
    copystring '10' '5' '3'  w_temp         * w_wes_trp
    copystring '10' '11' '5' w_temp1        * w_wes_trp1
    call 'w_fu_di' \
        'for TRP input use WTR Mask with Gen. Editor Mask F9,F8' 's'
  endif

  label 'PAX'
  copystring '12' '5' '3'  w_temp
  if w_wes_pax <> ''
*    if w_wes_pax <> w_temp
      concat w_send_string  ' pax ' w_wes_pax
*    endif
    set w_temp1 '1'                  * anything to send
  endif

  label 'BAG'
  copystring '13' '5' '3'  w_temp
  if w_wes_bag <> ''
*    if w_wes_bag <> w_temp
      if w_temp1 = '1'
        concat w_send_string '/'
      endif
      concat w_send_string  ' bag ' w_wes_bag
*    endif
    set w_temp1 '1'
  endif

  label 'CGO'
  copystring '15' '10' '6'  w_temp
  if w_wes_cgo <> ''
*    if w_wes_cgo <> w_temp
      if w_temp1 = '1'
        concat w_send_string '/'
      endif
      concat w_send_string  ' cgo ' w_wes_cgo
*    endif
    set w_temp1 '1'
  endif

  label 'TARE'
  findstring 'TARE' row col '16' '' '1' ''
  if row
    copystring '16' '11' '5'  w_temp
    if w_wes_tare <> ''
*      if w_wes_tare <> w_temp
        if w_temp1 = '1'
          concat w_send_string '/'
        endif
        concat w_send_string  ' tare ' w_wes_tare
```

```
*      endif
       set w_temp1 '1'
     endif
  endif

  label 'EIC'
  findstring 'EIC' row col '17' '' '1' ''
  if col
    copystring '17' '11' '5'  w_temp
    if w_wes_eic <> ''
*      if w_wes_eic <> w_temp
        if w_temp1 = '1'
          concat w_send_string '/'
        endif
        concat w_send_string  ' eic ' w_wes_eic
*      endif
       set w_temp1 '1'
    endif
  endif

  label 'MAIL'
  findstring 'MAIL' row col '18' '' '1' ''
  if col
    copystring '18' '11' '5'  w_temp
    if w_wes_mail <> ''
*      if w_wes_mail <> w_temp
        if w_temp1 = '1'
          concat w_send_string '/'
        endif
        concat w_send_string  ' mail ' w_wes_mail
*      endif
       set w_temp1 '1'
    endif
  endif

  di_length w_send_string w_len w_slack
  if w_temp1 = '1'                    *if w_send_string not data item
    if w_slack > '2'
      call 'w_fu_send' 'a' w_send_string '' ' '
      if host_er_nbr <> '0'
        call 'delay' '2'
        set w_error 'pax'
        set cursor_position 'w_wes_pax'
        return
      endif
    endif
  endif
```

```
*
* script: W_WFM
*
* Weight & Balance WFM Transaction
*
*
*************************************************************


** check if script shall continue
*********************************
call 'w_check_cont'

set w_send_string ''
concat w_send_string 'WFM ' w_act_flt


*** GETTING THE WFM MASK
************************
call 'w_fu_send' 'a' w_send_string ' ' ' '
findstring 'F L I G H T' row col '3' '3' '1' '1'
if row = ''
  call 'w_fu_di' 'Please use WFO before' 'S'
  exit
endif


** read last control (monitor) action out of WFM
** always necessary, because other agent may have reassigned flight
** or erased actions (e.g. with a new registration, WFMI 2R or 5R)
*********************************************************************
call 'w_wfm_read_ca'


** set variables and read user request for WFM
**********************************************
label 'read_again'
set w_act_fltc w_act_flt
set w_act_fltc w_act_flt
set w_act_flt_cac w_act_flt_ca
set w_wfm_action w_act_flt_ca
add w_wfm_action '1'
set w_wfm_actionc w_wfm_action
call 'w_fu_pu' 'w_wfm'
call 'w_fu_pu_ch'


** check user input
*******************
set w_count '0'
call 'w_wfm_ch'
if w_count = '1'
  goto 'read_again'
endif


** send transaction
*******************
set w_send_string ''
concat w_send_string 'WFMI ' w_act_flt ' ' w_wfm_action


*** W_WFM_ACTION = '1'
************************
if w_wfm_action = '1' *** Assign OPS Agent ***
  set w_wfm_1 'N'
  findstring '*' row col '10' '10' '4' '4' * WFMI 1
  if row  ** WFMI 1 already performed
    call 'w_fu_pu' 'w_wfm_1'   ** W_WFM_1 can be set to 'Y' here
    call 'w_fu_pu_ch'
  else    ** WFMI 1 first time
    set w_wfm_1 'Y'
  endif
```

```
  if w_wfm_1 = 'y'  ** first time WFMI 1 or set to 'Y' by user
    call 'w_assign' 'test'
    concat w_send_string w_name
    if w_table <> '' * then w_phone also <> ''
      concat w_send_string '/' w_table '/' w_phone
    endif
  else
    call 'w_prompt'
    exit
  endif
endif
call 'w_fu_send' 'a' w_send_string ' ' ' '
if host_er_nbr = '0'
  if w_check_er_23 = ''  ** no error msg. found
    di_length w_wfm_action w_len w_slack
    if w_len = '3'
      set w_char w_wfm_action   ** copy FIRST char of w_wfm_action
      set w_wfm_action w_char   ** e.g. '4/0' -> '4'
    endif
    if w_wfm_action < '11'
      if w_wfm_action > w_act_flt_ca
        set w_act_flt_ca w_wfm_action
        call 'w_update_ca'
      endif
    endif
    *** W_WFM_ACTION = 8, 9, 10, 13, 16
    **********************************
    if w_wfm_action = '8'
      call 'w_gen_edit' 'read_buf'
      exit
    endif
    if w_wfm_action = '9'
      call 'w_gen_edit' 'read_buf'
      exit
    endif
    if w_wfm_action = '10'
      call 'w_gen_edit' 'read_buf'
      exit
    endif
    if w_wfm_action = '13'  ** flight nr. info
      set w_send_1 ''
      copystring '22' '2' '78' w_send_1
      call 'w_fu_send' w_win w_send_1 ' ' ' '
      if host_er_nbr <> '0'
        call 'delay' '2'
      endif
      call 'w_prompt'
      exit
    endif
    if w_wfm_action = '16'
      call 'w_gen_edit' 'read_buf'
      exit
    endif
  endif
endif
call 'delay' '2'
call 'w_prompt'
```

```
*
* Subroutine: W_WFM_CH
*
* Weight & Balance WFM check Input
*
*
************************************************************


** return = 'WFM action allowed'   ELSE 'action denied'
*******************************************************


switch w_wfm_action
case '1'   ** WFMI 1 is always allowed
  return
case '2'   ** WFMI  2 only after WFMI 1
  if w_act_flt_ca = '1'
    return
  endif
case '2R'  ** WFMI 2R only after WFMI 2
  if w_act_flt_ca = '2'
    return
  endif
case '3'   ** WFMI  3 only after WFMI 2
  if w_act_flt_ca >= '2'
    return
  endif
case '4'   ** WFMI  4 only after WFMI 3 - 6
  if w_act_flt_ca >= '3'
    if w_act_flt_ca < '7'
      return
    endif
  endif
case '4/0'
  if w_act_flt_ca >= '3'
    if w_act_flt_ca < '7'
      return
    endif
  endif
case '4/1'
  if w_act_flt_ca >= '3'
    if w_act_flt_ca < '7'
      return
    endif
  endif
case '4/2'
  if w_act_flt_ca >= '3'
    if w_act_flt_ca < '7'
      return
    endif
  endif
case '4/3'
  if w_act_flt_ca >= '3'
    if w_act_flt_ca < '7'
      return
    endif
  endif
case '4/4'
  if w_act_flt_ca >= '3'
    if w_act_flt_ca < '7'
      return
    endif
  endif
case '5'  ** after WFMI 3 and 4
  if w_act_flt_ca = '3'
    return
  endif
  if w_act_flt_ca = '4'
    return
  endif
case '5R'  ** after WFMI 5 - n
  if w_act_flt_ca >= '5'
```

```
    return
  endif
case '6'   ** after WFMI 5 and 6
  if w_act_flt_ca = '5'
    return
  endif
  if w_act_flt_ca = '6'
    return
  endif
case '6/0'
  if w_act_flt_ca = '5'
    return
  endif
  if w_act_flt_ca = '6'
    return
  endif
case '6/1'
  if w_act_flt_ca = '5'
    return
  endif
  if w_act_flt_ca = '6'
    return
  endif
case '6/2'
  if w_act_flt_ca = '5'
    return
  endif
  if w_act_flt_ca = '6'
    return
  endif
case '6/3'
  if w_act_flt_ca = '5'
    return
  endif
if w_act_flt_ca = '6'
    return
  endif
case '6/4'
  if w_act_flt_ca = '5'
    return
  endif
  if w_act_flt_ca = '6'
    return
  endif
case '7'  ** only after WFMI 6
  if w_act_flt_ca = '6'
    return
  endif
case '8'  ** after WFMI 7 - n
  if w_act_flt_ca >= '7'
    return
  endif
case '9'  ** after WFMI 7 - n
  if w_act_flt_ca >= '7'
    return
  endif
case '10' ** after WFMI 6 - n
  if w_act_flt_ca >= '6'
    return
  endif
endswitch


if w_wfm_action < '19'
  if w_wfm_action > '10'
    return
  endif
endif
```

```
*
* script: W_WFM_FAST
*
* Weight & Balance WFM Transaction FAST!
* (without updating w_act_flt_ca before executing WFMI ..)
*
*************************************************************


** check if script shall continue
*********************************
call 'w_check_cont'


** check w_act_flt_ca
if w_act_flt_ca = ''  ** update necessary, call main WFM
  call 'w_wfm'
  exit
endif


** set variables and read user request for WFM
**********************************************
set w_wfm_action w_act_flt_ca
add w_wfm_action '1'


** send transaction
*******************
set w_send_string ''
concat w_send_string 'WFMI ' w_act_flt ' ' w_wfm_action
if w_wfm_action = '1' *** Assign OPS Agent ***
  call 'w_assign' 'test'
  concat w_send_string w_name
  if w_table <> '' * then w_phone also <> ''
    concat w_send_string '/' w_table '/' w_phone
  endif
endif
call 'w_fu_send' 'a' w_send_string ' ' ' '
if host_er_nbr = '0'
  if w_check_er_23 = ''  ** no error msg.
    if w_wfm_action < '11'
      if w_wfm_action > w_act_flt_ca
        add w_act_flt_ca '1'
        call 'w_update_ca'
      endif
    endif
  endif
endif
call 'delay' '2'
call 'w_prompt'
```

```
*
* Subroutine: W_WFM_READ_CA
*
* Weight & Balance WFM Read Control Actions Subroutine: Read data
* from WFM and set Control Actions Variable
************************************************************

set w_act_flt_ca '0'

findstring '*' row col '19' '19' '4' '4' * WFMI 10
if row
  set w_act_flt_ca '10'
  goto 'jump'
endif
findstring '*' row col '18' '18' '4' '4' * WFMI 9
if row
  set w_act_flt_ca '9'
  goto 'jump'
endif
findstring '*' row col '17' '17' '4' '4' * WFMI 8
if row
  set w_act_flt_ca '8'
  goto 'jump'
endif
findstring '*' row col '16' '16' '4' '4' * WFMI 7
if row
  set w_act_flt_ca '7'
endif
findstring '*' row col '15' '15' '4' '4' * WFMI 6
if row
  set w_act_flt_ca '6'
  goto 'jump'
endif
findstring '*' row col '14' '14' '4' '4' * WFMI 5
if row
  set w_act_flt_ca '5'
  goto 'JUMP'
endif
findstring '*' row col '13' '13' '4' '4' * WFMI 4
if row
  set w_act_flt_ca '4'
  goto 'JUMP'
endif
findstring '*' row col '12' '12' '4' '4' * WFMI 3
if row
  set w_act_flt_ca '3'
  goto 'JUMP'
endif
findstring '*' row col '11' '11' '4' '4' * WFMI 2
if row
  set w_act_flt_ca '2'
  goto 'JUMP'
endif
findstring '*' row col '10' '10' '4' '4' * WFMI 1
if row
  set w_act_flt_ca '1'
  goto 'JUMP'
endif

label 'JUMP'
call 'w_update_ca' w_act_flt_nr
```

```
*
* script: W_WFO
*
* Weight & Balance WFO Transaction
*
*
*************************************************************


call 'w_check_cont'
set w_error '0'
set rt_page_flag '0'  *added Aug 15 by SDT to reset paging


*** Send WFO and read out the mask
*********************************
set w_send_string ''
concat w_send_string 'WFO ' w_act_flt
call 'w_fu_send' '' w_send_string 'y' ' '
findstring 'flight requested' row col '20' '' '1' ''
if row    *** if found, send again
  call 'w_fu_send' ' ' w_send_string 'y' ' '
endif
findstring 'TRANSIT' row col '2' '2' '5' ''
if col <> '5' ** WFO mask not present!
  call 'delay' '2'
  call 'w_prompt'
  exit
endif
findstring 'WFOI' row col '1' '1' '1' ''
if col = '1'
  set w_assign '1'
else
  set w_assign '0'
endif
** Filling the WFO mask
call 'w_wfo_fill'

label 'again'
if w_error <> '1'
  set cursor_position 'w_wfo_t1'
endif
call 'w_fu_pu' 'w_wfo1'
call 'w_fu_pu_ch'


if w_assign = '0'    ** WFO already performed
  goto 'END'
endif


*** check user input
*******************
set w_error '0'
call 'w_wfo_ch'
if w_error <> '0'
  goto 'again'
endif


*** Sending every line of the mask
*********************************

*** note: character '•' is a tab (ALT-249 / ESC HT)

*** Send first line
set w_send_string ''
concat w_send_string 'WFOI ' w_act_flt
execute 'unisys_send' w_send_string ' ' '60' 'I' host_er_nbr

*** Send second line
set w_send_string ''
concat w_send_string ' - (TRANSIT) / AIRPORT / DEPARTURE TIME / AIRPORT'
```

```
execute 'unisys_send' w_send_string ' ' '60' 'C' host_er_nbr

*** Send third line
set w_send_string ''
concat w_send_string '•' w_wfo_transit '•'
concat w_send_string w_wfo_a1 '•' w_wfo_t1 '•'
concat w_send_string w_wfo_a2 '•' w_wfo_t2 '•'
concat w_send_string w_wfo_a3 '•' w_wfo_t3 '•'
concat w_send_string w_wfo_a4 '•' w_wfo_t4 '•'
concat w_send_string w_wfo_a5 '•' w_wfo_t5 '•'
concat w_send_string w_wfo_a6 '•' w_wfo_t6 '•'
concat w_send_string w_wfo_a7 '•' w_wfo_t7 '•'
concat w_send_string w_wfo_a8 '•'
execute 'unisys_send' w_send_string ' ' '60' 'C' host_er_nbr

*** Send fourth line
set w_send_string ''
concat w_send_string 'SERVICE TYPE•' w_wfo_stype
execute 'unisys_send' w_send_string ' ' '60' 'S' host_er_nbr

call 'w_check_er'
if host_er_nbr = '1'
  if w_act_flt_ca = ''
    set w_act_flt_ca '0' *** set actual control action to '0'
    call 'w_update_ca'   *** update referring control action
  endif
  label 'END'
  if w_assign = '1'
    call 'delay' '2'
  endif
  call 'w_prompt'
  next keypad 'w_kp_wrk'
else
  goto 'again'
endif
```

```
*
* Subroutine: W_WFO_CH
*
* Weight & Balance WFO Subroutine: check user input
*
* called by W_WFO
*************************************************************


*** add dots at the end, if necessary, to avoid host answer
*** '? FORMAT'
*************************************************************
call 'w_ch_len' w_wfo_transit
call 'w_ch_len' w_wfo_a1
call 'w_ch_len' w_wfo_t1
call 'w_ch_len' w_wfo_a2
call 'w_ch_len' w_wfo_t2
call 'w_ch_len' w_wfo_a3
call 'w_ch_len' w_wfo_t3
call 'w_ch_len' w_wfo_a4
call 'w_ch_len' w_wfo_t4
call 'w_ch_len' w_wfo_a5
call 'w_ch_len' w_wfo_t5
call 'w_ch_len' w_wfo_a6
call 'w_ch_len' w_wfo_t6
call 'w_ch_len' w_wfo_a7
call 'w_ch_len' w_wfo_t7
call 'w_ch_len' w_wfo_a8


if w_wfo_stype = 'J'
    return
  return
endif

if w_wfo_stype = 'F'
  return
endif

if w_wfo_stype = 'M'
  return
endif

call 'w_fu_di' 'Service Type: Only "J", "F" or "M" allowed'
set cursor_position 'w_wfo_stype'
set w_error '1'
```

```
*
* Subroutine: W_WFO_FILL
*
* Weight & Balance WFO Subroutine: Read data from WFO Transaction
* and put them into the variables in the popup W_WFO
*
************************************************************

copystring '3' '4'  '3' w_wfo_a1    * Airport 1
if w_wfo_a1 = '...'
  set w_wfo_a1 location             * e.g. FRA, HAM, MUC etc.
endif

set w_act_fltc w_act_flt
copystring '3' '2'  '1' w_wfo_transit * Transit
copystring '3' '8'  '4' w_wfo_t1      * Time 1
copystring '3' '13' '3' w_wfo_a2      * Airport
if w_assign = '0'   ** WFO has already been executed!
  call 'w_fu_di' 'Use GENERAL MASK EDITOR to change RTG/TIME'
endif
copystring '3' '17' '4' w_wfo_t2
copystring '3' '22'  '3' w_wfo_a3
copystring '3' '26'  '4' w_wfo_t3
copystring '3' '31' '3' w_wfo_a4
copystring '3' '35' '4' w_wfo_t4
copystring '3' '40'  '3' w_wfo_a5
copystring '3' '44'  '4' w_wfo_t5
copystring '3' '49' '3' w_wfo_a6
copystring '3' '53' '4' w_wfo_t6
copystring '3' '58'  '3' w_wfo_a7
copystring '3' '62'  '4' w_wfo_t7
copystring '3' '67' '3' w_wfo_a8
copystring '4' '14' '1' w_wfo_stype
if w_wfo_stype = '.'
  set w_wfo_stype 'J'
endif
```

```
*
* script: W_WIN
*
* allows user to determine output window
*
*
*************************************************************

if w_win = 'a'
  set w_win 'b'
else
  set w_win 'a'
endif

call 'w_prompt'
```

```
*
* script: W_WLD
*
* Weight & Balance WLD Transaction
*
*
************************************************************

clear window 'prompt'

** check if script shall continue
call 'w_check_cont'
clear window 'prompt'

set yes_no 'y'
set w_act_fltc w_act_flt
set rt_page_flag '0' * added Aug 15 by SDT  to reset paging


*** WLD data item init
**********************
set w_wld_nr   ''
set w_wld_uld  ''
set w_wld_kg   ''
set w_wld_org  ''
set w_wld_dst  ''
set w_wld_lc   ''
set w_line1    ''
set w_line2    ''
set w_wld_spezial ''
set w_wld_remarks ''
set w_send_string ''

set yes_no1 'n'
set yes_no2 'n'
set yes_no3 'n'
set yes_no4 'n'

label 'again'

*** send WLD
************
set w_send_string ''
concat w_send_string 'WLD ' w_act_flt
call 'w_fu_send' 'a' w_send_string '' '' ''

if host_er_nbr <> '0'        ** host_er_nbr <> '0'
  call 'delay' '2'
  call 'w_prompt'
  exit
endif

findstring 'wldi' row col '21' '21' '2' ''
if col                                      ** found WLDI

  label 'again3'
  *** WLDI fill
  *************

  copystring '22' '2' '5' w_wld_nr
  copystring '22' '8' '12' w_wld_uld
  copystring '22' '21' '5' w_wld_kg
  copystring '22' '27' '3' w_wld_org
  copystring '22' '31' '3' w_wld_dst
  copystring '22' '35' '2' w_wld_lc
  copystring '22' '42' '38' w_wld_remarks
  set w_wld_spezial ''


  label 'again1'
  set w_send_string ''
  call 'w_fu_pu' 'w_wld'
  call 'w_fu_pu_ch'
```

```
  goto 'other'

  label 'again2'
  *** check if data item length ok
  ********************************
  call 'w_ch_len' w_wld_nr
  call 'w_ch_len' w_wld_kg
  call 'w_ch_len' w_wld_org
  call 'w_ch_len' w_wld_dst
  call 'w_ch_len' w_wld_lc

  *** Check if a full stop in remarks
  **********************************
  if w_wld_remarks <> '_____________________________________'
    find '.' w_wld_remarks  '1' row
    if row          * found no error
      goto 'send'
    else
      call 'w_fu_di' 'set a full stop in remarks'
      set cursor_position 'w_wdl_remarks'
      goto 'again1'
    endif
  endif


  *** Send WLDI
  *************
  label 'send'
    concat w_send_string 'WLDI ' w_act_flt ' •' w_wld_spezial
    execute 'unisys_send' w_send_string ' ' '60' 'I' host_er_nbr
    set w_send_string ''
    find '/' w_wld_uld '10'  w_pos
    if w_pos
      concat w_send_string '•' w_wld_nr  '•' w_wld_uld '•' w_wld_kg
    else
     concat w_send_string '•' w_wld_nr  '•' w_wld_uld '  •' w_wld_kg
    endif
concat w_send_string '•' w_wld_org '•'
    concat w_send_string w_wld_dst '•' w_wld_lc  '    •' w_wld_remarks
    execute 'unisys_send' w_send_string ' ' '60' 'C' host_er_nbr
    execute 'unisys_send' '' ' ' '60' 'S' host_er_nbr
    call 'w_check_er'
    if host_er_nbr <> '0'
      call 'delay' '2'
      call 'w_prompt'
      goto 'again1'
    endif
        call 'w_prompt'
    if yes_no = 'y'
      goto 'again3'
    endif
else
  call 'w_fu_di' 'D I S P L A Y   O N L Y (flight not assigned)' 's'
endif
exit

*** if OTHER WLD Transaktions  choose
label 'other'
*if yes_no1 = 'y'                        * WLDC
*  set w_send_string ''
*  set w_time_temp 'WLDC'
*  call 'w_fu_pu' 'w_wld_ot'
*  call 'w_fu_pu_ch'
*  concat w_send_string 'WLDC '  w_wld_other
*  call 'w_fu_send' 'a' w_send_string '' ''
*  call 'w_check_er'
*  if host_er_nbr <> '0'
*    call 'delay' '2'
*    call 'w_prompt'
*    goto 'other'
*  endif
* endif
if yes_no2 = 'y'                        * WLDD
```

```
  set w_send_string ''
  set w_time_temp 'WLDD'
  set w_wld_other w_act_fltc
  label 'other1'
  set cursor_position 'w_wld_other'
  set w_send_string ''
  call 'w_fu_pu' 'w_wld_ot'
  call 'w_fu_pu_ch'
  concat w_send_string 'WLDD '  w_wld_other
  call 'w_fu_send' 'a' w_send_string '' ''
  if host_er_nbr <> '0'
    call 'delay' '2'
    call 'w_prompt'
    goto 'other1'
  endif
  exit
endif
if yes_no3 = 'y'                          * WLDN
  set w_send_string ''
  set w_time_temp 'WLDN'
  set w_wld_other ''
  set w_wld_other w_act_fltc
  label 'other2'
  set cursor_position 'w_wld_other'
  set w_send_string ''
  call 'w_fu_pu' 'w_wld_ot'
  call 'w_fu_pu_ch'
  concat w_send_string 'WLDN '  w_wld_other
  call 'w_fu_send' 'a' w_send_string '' ''
  if host_er_nbr <> '0'
    call 'delay' '2'
    call 'w_prompt'
    goto 'other2'
  endif
  exit
endif
set w_send_string ''
set w_time_temp ''
set w_wld_other ''

goto 'again2'
```

```
*
* script: W_WLP
*
* Weight & Balance WLP Transaction
*
*
************************************************************


** check if script shall continue
set host_er_nbr '0'
call 'w_check_cont'
if w_act_flt_ca <> ''
  if w_act_flt_ca < '2'
    call 'w_fu_di' 'Please perform WFMI 2 first!' '2'
    call 'w_prompt'
    exit
  endif
endif


** so popup W_WLP_4 doesn't show up at the beginning
set w_wlp_msg 'ON'


*** Send WLP
************
label 'WLP'
set w_send_string ''
concat w_send_string 'WLP ' w_act_flt
call 'w_fu_send' ' ' w_send_string 'y' ' '


*** Check for ULD / NON-ULD
***************************
if host_er_nbr = '0'
  findstring 'WLPI' row col '1' '' '1' ''
  if col   ** found
    set w_assign '1' ** yes, assigned to act. flight
  else
    set w_assign '0' ** no, not assigned
  endif
  findstring 'M A I N   D E C K' row col '3' '5' '1' ''
  if col ** string found ---> ULD without LOWER DECK
    call 'w_fu_di' 'ULDs without LOWER DECK not yet supported' 'S'
    exit
  endif
  findstring 'L O W E R   D E C K' row col '3' '5' '1' '80'
  if col  ** string found ---> ULD
    copystring '17' '1' '1' w_char
    if w_char = '5'
      goto 'ULD'
    endif
    call 'w_fu_di' 'Sorry, special WLPs are not yet supported!' 'S'
    call 'w_prompt'
    call 'w_gen_edit'
    exit
  else ** neither MAIN DECK nor LOWER DECK found ---> NON-ULD?
    findstring 'ON:' row col '9' '9' '1' '5'
    if col  ** found ---> NON-ULD
      call 'w_wlp_non_uld'
      exit
    else
      call 'w_fu_di' 'Suspicious ULDs not supported!' 'S'
      call 'w_prompt'
      exit
    endif
  endif
else        ** host_er_nbr <> '0'
  call 'delay' '2'
  call 'w_prompt'
  exit
endif
```

```
*
* script: W_WLPL
*
* Weight & Balance WLPL Transaction
* automatic WLP Loadplanning
*
************************************************************


** check if script shall continue
call 'w_check_cont'


*** Send WLPL
set w_send_string ''
concat w_send_string 'WLPL ' w_act_flt
call 'w_fu_send' w_win w_send_string ' ' ' '
call 'delay' '2'
call 'w_prompt'
next keypad 'w_kp_wrk'
```

```
*
* Subroutine: W_WLP_FILL
* FILL for ULDs only!!!
* Weight & Balance WLP Subroutine: Read data from WLP Transaction
* and put them into the variables in the popup W_WLP
* W_WLP_FILL is called by W_WLP
************************************************************


*** preset variables
********************
call 'w_wlp_preset'


*** first line
set w_act_fltc w_act_flt
if w_assign = '0'   ** not assigned
  set w_send 'NO INPUT POSSIBLE - FLIGHT NOT ASSIGNED'
else
  set w_send ''
endif


*** second line
set w_line ''
copystring  '2' '1' '78' w_line


** 22nd line
************
set w_line0 ''
copystring '22' '1' '78' w_line0


*** fourth line and following
*****************************
** set L, R, P or ' ' for first line
copystring '4' '3' '1' w_wlp_pos_1
** set L, R, P or ' ' for second line
copystring '5' '3' '1' w_wlp_pos_2


*** read variables
*** like that:
***
*** WLP row 4:  01L/02 05L/06 etc.
*** WLP row 5:  03R/04 07R/08
*******************************

set w_row '4'       ** act. row
set w_col '1'       ** act. col
set w_wlp_nr '0'    ** preset nr. of variable to write into
set w_temp ''

*** for pos.: read col. 1, 17, 33, 49, 65, rows n and n+1
*** for nr. : read col. 5, 21, 37, 53, 69, rows n and n+1

*** row n
*********
label 'again'
copystring w_row w_col '2' w_temp1     ** read pos. (= 01)
if w_temp1 <> ''
  ** set the right variable
  add w_wlp_nr '1'
  call 'w_wlp_set' w_wlp_nr w_temp1
  ** col 1 --> 5, 17 --> 21 etc.
  add w_col '4'
  copystring w_row w_col '2' w_temp    ** read nr.  (= 02)
  add w_wlp_nr '1'
  call 'w_wlp_set' w_wlp_nr w_temp
  ** col 5 --> 1, 21 --> 17 etc.
  subtract w_col '4'
else
```

```
  add w_wlp_nr '2' ** must always get incremented by two
endif
add w_row '1'

*** row n+1
***********
copystring w_row w_col '2' w_temp2     ** read pos. (= 03)
if w_temp2 <> ''
  if w_temp1 = ''
    subtract w_wlp_nr '1'
    call 'w_wlp_set' w_wlp_nr w_temp2
    add w_wlp_nr '1'
  else
    if w_temp1 <> w_temp2
      call 'w_fu_di' 'Suspicious WLP mask! <aborted>' '2'
      call 'w_prompt'
      exit
    endif
  endif
  add w_col '4'
  copystring w_row w_col '2' w_temp    ** read nr.  (= 04)
  add w_wlp_nr '1'
  call 'w_wlp_set' w_wlp_nr w_temp
else
  add w_wlp_nr '1'  ** must always get incremented by one
endif

*** read again or not?
**********************
add w_col '12'
subtract w_row '1'

if w_temp1 = ''
  if w_temp2 = ''
    subtract w_wlp_nr '3'
    goto 'go_on'
  endif
endif
** col. 5 --> 17, 21 --> 33 etc.
if w_col <= '65'
  goto 'again'
endif


label 'go_on'
if w_row = '4'  ** already done lines 4 and 5
  set w_row '6'
  set w_col '1'
  goto 'again'
endif

if w_row = '6'  ** already done lines 5 and 6
  add w_wlp_nr '1'
*  call 'w_wlp_set' w_wlp_nr '##'
  add w_wlp_nr '1'
*  call 'w_wlp_set' w_wlp_nr '##'
  add w_wlp_nr '1'
*  call 'w_wlp_set' w_wlp_nr '##'
  set w_row '10'
  set w_col '1'
  goto 'again'
endif

if w_row = '10'  ** already done lines 10 and 11
  set w_row '12'
  set w_col '1'
  goto 'again'
endif

*********************************************************
*********************************************************

*** read pallets
```

```
****************************
*** read variables
*** like that:
***
*** WLP row 8:  01P/02 03P/04
****************************

set w_row '8'       ** act. row
set w_col '1'       ** act. col

*** for pos.: read col. 1, 17, 33, 49, 65, row n
*** for nr. : read col. 5, 21, 37, 53, 69, row n

copystring '8' '3' '1' w_wlp_pos_3

label 'p_again'
copystring w_row w_col '2' w_temp1     ** read pos. (= 01)
if w_temp1 <> ''
  ** col 1 --> 5, 17 --> 21 etc.
  add w_col '4'
  copystring w_row w_col '2' w_temp    ** read nr.  (= 02)
  add w_wlp_nr '1'
  ** set the right variable
  call 'w_wlp_pal' w_temp1 w_temp
  add w_col '12'
  if w_col <= '65'
    goto 'p_again'
  endif
endif

if w_row = '8'
  set w_row '9'
  set w_col '1'
  goto 'p_again'
endif

if w_row = '9'
set w_row '14'
  set w_col '1'
  goto 'p_again'
endif

if w_row = '14'
  set w_row '15'
  set w_col '1'
  goto 'p_again'
endif

*********************************************************
*********************************************************

*** read bulk
*************
call 'w_wlp_fill_bulk'


*** Page Next possible?
************************
findstring '+' row col '22' '22' '80' '80'
if col <> '80'  ** not found
  set w_wlp_pn 'n'
  return
endif
set w_wlp_pn 'y' ** PageNext: Yes, possible!
** send 'Page Next'
call 'w_fu_send' '' 'PN' 'y' ' '


*** read data of second page
****************************
call 'w_wlp_fill_pn'
```

```
*
* Subroutine: W_WLP_FILL_BULK
* FILL for ULDs only!!!
* Weight & Balance WLP Subroutine: Read data from WLP Transaction
* and put them into the variables in the popup W_WLP
* W_WLP_FILL_BULK is called by W_WLP_FILL
************************************************************


*** read bulk
*****************************
*** read variables
*** like that:
***
*** WLP row 17:  01/02 03/04
*****************************

set w_row '17'       ** act. row
set w_col '1'       ** act. col

*** for pos.: read col. 1, 17, 33, 49, 65, row n
*** for nr. : read col. 4, 20, 36, 52, 68, row n


*** line 17 of WLP
******************
copystring w_row w_col '2' w_temp1     ** ..P_11
set w_wlp_p_11 w_temp1
** col 1 --> 4
add w_col '3'
copystring w_row w_col '2' w_temp      ** ..B_11
set w_wlp_b_11 w_temp
set w_wlp_bc_11 w_temp
** col 4 --> 17
add w_col '13'

copystring w_row w_col '2' w_temp1     ** ..P_12
set w_wlp_p_12 w_temp1
add w_col '3'
copystring w_row w_col '2' w_temp      ** ..B_12
set w_wlp_b_12 w_temp
set w_wlp_bc_12 w_temp
add w_col '13'

copystring w_row w_col '2' w_temp1     ** ..P_13
set w_wlp_p_13 w_temp1
add w_col '3'
copystring w_row w_col '2' w_temp      ** ..B_13
set w_wlp_b_13 w_temp
set w_wlp_bc_13 w_temp
add w_col '13'

copystring w_row w_col '2' w_temp1     ** ..P_21
set w_wlp_p_21 w_temp1
add w_col '3'
copystring w_row w_col '2' w_temp      ** ..B_21
set w_wlp_b_21 w_temp
set w_wlp_bc_21 w_temp
add w_col '13'

copystring w_row w_col '2' w_temp1     ** ..P_22
set w_wlp_p_22 w_temp1
add w_col '3'
copystring w_row w_col '2' w_temp      ** ..B_22
set w_wlp_b_22 w_temp
set w_wlp_bc_22 w_temp
************************************************
** prepare to read next line (18)
add w_row '1'
set w_col '1'
************************************************
```

```
*** line 18 of WLP
******************
copystring w_row w_col '2' w_temp1     ** ..P_23
set w_wlp_p_23 w_temp1
add w_col '3'
copystring w_row w_col '2' w_temp      ** ..B_23
set w_wlp_b_23 w_temp
set w_wlp_bc_23 w_temp
add w_col '13'

copystring w_row w_col '2' w_temp1     ** ..P_31
set w_wlp_p_31 w_temp1
add w_col '3'
copystring w_row w_col '2' w_temp      ** ..B_31
set w_wlp_b_31 w_temp
set w_wlp_bc_31 w_temp
add w_col '13'

copystring w_row w_col '2' w_temp1     ** ..P_32
set w_wlp_p_32 w_temp1
add w_col '3'
copystring w_row w_col '2' w_temp      ** ..B_32
set w_wlp_b_32 w_temp
set w_wlp_bc_32 w_temp
add w_col '13'

copystring w_row w_col '2' w_temp1     ** ..P_33
set w_wlp_p_33 w_temp1
add w_col '3'
copystring w_row w_col '2' w_temp      ** ..B_33
set w_wlp_b_33 w_temp
set w_wlp_bc_33 w_temp
add w_col '13'

copystring w_row w_col '2' w_temp1     ** ..P_41
set w_wlp_p_41 w_temp1
add w_col '3'
copystring w_row w_col '2' w_temp      ** ..B_41
set w_wlp_b_41 w_temp
set w_wlp_bc_41 w_temp
************************************************
** prepare to read next line (19)
add w_row '1'
set w_col '1'
************************************************


*** line 19 of WLP
******************
copystring w_row w_col '2' w_temp1     ** ..P_42
set w_wlp_p_42 w_temp1
add w_col '3'
copystring w_row w_col '2' w_temp      ** ..B_42
set w_wlp_b_42 w_temp
set w_wlp_bc_42 w_temp
add w_col '13'

copystring w_row w_col '2' w_temp1     ** ..P_43
set w_wlp_p_43 w_temp1
add w_col '3'
copystring w_row w_col '2' w_temp      ** ..B_43
set w_wlp_b_43 w_temp
set w_wlp_bc_43 w_temp
add w_col '13'

copystring w_row w_col '2' w_temp1     ** ..P_51
set w_wlp_p_51 w_temp1
add w_col '3'
copystring w_row w_col '2' w_temp      ** ..B_51
set w_wlp_b_51 w_temp
set w_wlp_bc_51 w_temp
add w_col '13'
```

```
copystring w_row w_col '2' w_temp1     ** ..P_52
set w_wlp_p_52 w_temp1
add w_col '3'
copystring w_row w_col '2' w_temp      ** ..B_52
set w_wlp_b_52 w_temp
set w_wlp_bc_52 w_temp
add w_col '13'

copystring w_row w_col '2' w_temp1     ** ..P_53
set w_wlp_p_53 w_temp1
add w_col '3'
copystring w_row w_col '2' w_temp      ** ..B_53
set w_wlp_b_53 w_temp
set w_wlp_bc_53 w_temp
```

```
*
* Subroutine: W_WLP_FILL_PN
* FILL for ULDs only!!!
* Weight & Balance WLP Subroutine: Read data from WLP Transaction
* (2nd page) and put them into the variables in the popup W_WLP
* W_WLP_FILL_PN is called by W_WLP_FILL
************************************************************


** preset MAINDECK variables
call 'w_wlp_preset_md'


*** read 2nd page (MAINDECK)
****************************
*** read variables
*** like that:
***
*** WLP row 4:  021/03 087/09
*** WLP row 5:  054/06 etc.
****************************
*** allowed:
***  A1/XX..Z9/XX
***   A/XX...Z/XX
***  AR/XX..ZR/XX
set w_row '6'       ** act. row
set w_col '3'       ** act. col
set w_wlp_nr '1'    ** preset nr. of variable to write into
set w_temp1 ''
set w_temp ''

*** for pos.: read col. 1, 17, 33, 49, 65, rows n and n+1
*** for pos_2 ('L', 'R', '1' , 'A'.. 'Z'):
***           read col. 3, 19, 35, 51, 67, rows n and n+1
*** for nr. : read col. 5, 21, 37, 53, 69, rows n and n+1

*** row n
*********
label 'again'
copystring w_row w_col '1' w_wlp_pos_4 ** read pos_2 (1)
if w_wlp_pos_4 <> ''
  ** col 3 --> 1, 19 --> 17 etc.
  subtract w_col '2'
  copystring w_row w_col '2' w_temp1   ** read pos  (02)
  char_type w_temp1 '1' w_char
  if w_char <> 'B'
    call 'w_fu_di' 'Suspicious MAINDECK version <aborted>' 'S'
    exit
  endif
  char_type w_wlp_pos_4 '1' w_char
  if w_char = 'N'
    if w_temp1 <> ''                    ** 'Postfliecher'
      copy w_char w_temp1 '2' '1'
      set w_temp1 w_char
      concat w_temp1 w_wlp_pos_4       ** e.g. 'A1', 'C3' etc.
      call 'w_wlp_set_md' w_wlp_nr w_temp1
      add w_wlp_nr '3' ** write next data in 3rd line
    else
      call 'w_fu_di' 'Suspicious MAINDECK version <aborted>' 'S'
      exit
    endif
  else  ** w_char <> 'N'
    if w_temp1 = ''  ** and w_char <> 'N', e.g. 'A', 'P' etc.
      concat w_temp1 ' ' w_wlp_pos_4
      call 'w_wlp_set_md' w_wlp_nr w_temp1
      set w_temp1 ''
      add w_wlp_nr '3'
    else             ** w_temp1 <> '' and w_char <> 'N'
      if w_wlp_pos_4 <> 'R'
        call 'w_fu_di' 'Suspicious MAINDECK version <aborted>' 'S'
        exit
      endif
      ** w_wlp_pos_4 = 'R' and w_temp1 <> '', e.g. 'AR'
```

```
      call 'w_wlp_set_md' w_wlp_nr w_temp1
      add w_wlp_nr '1'
    endif
  endif
  ** col 1 --> 5, 17 --> 21 etc.
  add w_col '4'
  copystring w_row w_col '2' w_temp    ** read nr.  (= 03)
  call 'w_wlp_set_md' w_wlp_nr w_temp
  add w_wlp_nr '1'
  ** col 5 --> 3, 21 --> 19 etc.
  subtract w_col '2'
endif
add w_row '1'

*** row n+1
***********
copystring w_row w_col '1' w_wlp_pos_5 ** read pos_2 (4)
if w_wlp_pos_5 <> ''
  if w_wlp_pos_4 = ''
    call 'w_fu_di' 'Suspicious MAINDECK version <aborted>' 'S'
    exit
  endif
  ** col 3 --> 1, 19 --> 17 etc.
  subtract w_col '2'
  copystring w_row w_col '2' w_temp2   ** read pos  (05)
  char_type w_temp2 '1' w_char
  if w_char <> 'B'
    call 'w_fu_di' 'Suspicious MAINDECK version <aborted>' 'S'
    exit
  endif
  if w_temp2 <> w_temp1
    call 'w_fu_di' 'Suspicious MAINDECK version <aborted>' 'S'
    exit
  endif
  if w_wlp_pos_5 <> 'L'
    call 'w_fu_di' 'Suspicious MAINDECK version <aborted>' 'S'
    exit
  endif
** w_wlp_pos_5 = 'L' and w_temp2 <> '', e.g. 'AL'
  ** col 1 --> 5, 17 --> 21 etc.
  add w_col '4'
  copystring w_row w_col '2' w_temp    ** read nr.  (= 03)
  call 'w_wlp_set_md' w_wlp_nr w_temp
  add w_wlp_nr '2'
  ** col 5 --> 3, 21 --> 19 etc.
  subtract w_col '2'
endif


*** read again or not?
**********************
** col 3 --> 19, 21 --> 35 etc.
add w_col '16'
subtract w_row '1'

if w_wlp_pos_4 = ''
  if w_wlp_pos_5 = ''
    goto 'go_on'
  endif
endif
if w_col <= '69'
  goto 'again'
endif


label 'go_on'

if w_row = '6'  ** already done lines 6 and 7
  set w_row '9'
  set w_col '3'
  goto 'again'
endif
```

```
if w_row = '9'  ** already done lines 9 and 10
set w_row '12'
  set w_col '3'
  goto 'again'
endif

if w_row = '12'  ** already done lines 12 and 13
  set w_row '15'
  set w_col '3'
  goto 'again'
endif
```

```
*
* Subroutine: W_WLP_NON_ULD
*
* Weight & Balance NON ULD
* called by W_WLP
*
************************************************************
set w_wlp_n_pop ''
set w_temp2 ''
*** data item init
******************
call 'w_wlp_n_init'

*** find popup with cpt
***********************
if w_assign = '0'
  call 'w_fu_di' 'D I S P L A Y   O N L Y  (flight not assigned)'
endif

set w_temp ''
set col '1'

label 'find'
findstring 'cpt' row col '3' '3' col ''
if col
  add w_temp '1'
  add col '1'
  goto 'find'
endif

*set row '9'                       ** begin to serch
*set col ''

*label 'find1'
*findstring 'on:' row col row '' '1' ''
*if row
*  add w_temp2 '1'
*  add row '1'
*  goto 'find1'
*endif

*if w_temp2 > '1'
*  call 'w_fu_di' 'More than one destination not yet supported' 'S'
*  call 'w_gen_edit' 'read_buf'
*  exit
*endif

if w_temp = '5'           * found e.g. cpt.1/cpt.2/cpt.3/cpt.4/cpt.0
  set  w_wlp_n_pop 'w_wlp_n'
  goto 'cpt5'
else
  if w_temp = '4'
    set  w_wlp_n_pop 'w_wlp_n4'
    goto 'cpt4'             *            cpt.1/cpt.2/cpt.4/cpt.0
  else
    if w_temp = '3'         *            cpt.1/cpt.4/cpt.0
      set  w_wlp_n_pop 'w_wlp_n3'
      goto 'cpt3'
    else
      set  w_wlp_n_pop 'w_wlp_n2'
      goto 'cpt2'           *            cpt.1/cpt.0
    endif
  endif
endif
*** Fill data item
******************
*                 ** data_item_name_row/col

label 'cpt2'
                                                 * with cpt.1/0
  call 'w_wlp_n_fill' 'cpt2'
  goto 'weiter'
```

```
label 'cpt3'
* with cpt.1/4/0
  call 'w_wlp_n_fill' 'cpt3'
  goto 'weiter'

label 'cpt4'
                                                    * with cpt.1/2/4/0
  call 'w_wlp_n_fill' 'cpt4'
  goto 'weiter'

label 'cpt5'
  call 'w_wlp_n_fill' 'cpt5'                        * with cpt.1/2/3/4/0
  goto 'weiter'


label 'weiter'

*** read popup

set cursor_position 'w_wlp_n_22'
call 'w_fu_pu' w_wlp_n_pop
call 'w_fu_pu_ch'

*** Check if a full stop in remarks in popup
*****************************************

if w_line1 <> ''
  find '.' w_line1  '1' row
  if row                                    * found no error
    goto 'line2'
  else
    call 'w_fu_di' 'set a full stop in remarks'
    set cursor_position 'w_line1'
    goto 'weiter'
  endif
endif

label 'line2'

  if w_line2 <> ''
    find '.' w_line2  '1' row
    if row
      goto 'line3'                              * found no error
    else
      call 'w_fu_di' 'set a full stop in remarks'
      set cursor_position 'w_line2'
      goto 'weiter'
    endif
  endif

label 'line3'

  if w_line3 <> ''
    find '.' w_line3  '1' row
    if row                                     * found no error
      goto 'send'
    else
      call 'w_fu_di' 'set a full stop in remarks'
      set cursor_position 'w_line3'
      goto 'weiter'
    endif
  endif

*** send
******************
if w_assign = '0'
  call 'w_prompt'
  exit
else
  label 'send'
  if w_temp = '5'
    set w_temp  'cpt5'
  else
```

```
    if w_temp = '4'
      set w_temp 'cpt4'
    else
      if w_temp = '3'
        set w_temp 'cpt3'
      else
        if w_temp = '2'
          set w_temp 'cpt2'
        endif
      endif
    endif
  endif
  call 'w_wlp_n_send' w_temp
  if host_er_nbr <> '0'
    call 'delay' '2'
    call 'w_prompt'
    goto 'weiter'
  endif
  call 'w_prompt'
endif
```

```
*
* Subroutine: W_WLP_N_FILL
*
* Weight & Balance NON ULD
* called by W_WLP_N
*
************************************************************

if %1 = 'cpt2'
  goto 'cpt2'
else
  if %1 = 'cpt3'
    goto 'cpt3'
  else
    if %1 = 'cpt4'
      goto 'cpt4'
    else
      goto 'cpt5'
    endif
  endif
endif

*** Fill data item
******************
*** data_item_name_row/col

label 'cpt2'
*** with cpt.1/0
copystring '1' '1' '80' w_line0
copystring '2' '1' '80' w_line
                                    * row title
copystring '3' '24' '3'  w_wlp_n_13  * ttl
copystring '3' '32' '5'  w_wlp_n_14  * cpt.1 or cpt.6
copystring '3' '43' '5'  w_wlp_n_18  * cpt.0
copystring '3' '64' '4'  w_wlp_n_19  * rest


copystring '4' '23' '5'  w_wlp_n_23     * for Transit (T)
copystring '4' '31' '4'  w_wlp_n_24
copystring '4' '42' '4'  w_wlp_n_28

copystring '5' '14' '7'  w_wlp_n_32     * for Eic (E)
copystring '5' '23' '5'  w_wlp_n_33
copystring '5' '31' '8'  w_wlp_n_34
copystring '5' '42' '7'  w_wlp_n_38
copystring '5' '63' '6'  w_wlp_n_39

copystring '6' '6' '5'   w_wlp_n_41     * for CGO (C)
copystring '6' '14' '7'  w_wlp_n_42
copystring '6' '23' '5'  w_wlp_n_43
copystring '6' '31' '8'  w_wlp_n_44
copystring '6' '42' '7'  w_wlp_n_48
copystring '6' '63' '6'  w_wlp_n_49

copystring '7' '6' '5'   w_wlp_n_51     * for Mail (M)
copystring '7' '14' '7'  w_wlp_n_52
copystring '7' '23' '5'  w_wlp_n_53
copystring '7' '31' '8'  w_wlp_n_54
copystring '7' '42' '7'  w_wlp_n_58
copystring '7' '63' '6'  w_wlp_n_59

copystring '8' '8' '3'   w_wlp_n_pax
copystring '8' '18' '3'  w_wlp_n_bag
copystring '8' '23' '5'  w_wlp_n_63
copystring '8' '31' '8'  w_wlp_n_64
copystring '8' '42' '7'  w_wlp_n_68
copystring '8' '63' '6'  w_wlp_n_69

copystring  '9' '4' '75'  w_line1        * on:
copystring '10' '4' '75'  w_line2
copystring '11' '4' '75'  w_line3
copystring '12' '14' '65'  w_wlp_n_line  *ttl load
copystring '13' '14' '65'  w_wlp_n_line2 *max load
```

```
return


label 'cpt3'
***                          * with cpt.1/4/0
copystring '1' '1' '80' w_line0
copystring '2' '1' '80' w_line
                                    * row title
copystring '3' '24' '3'  w_wlp_n_13  * ttl
copystring '3' '32' '5'  w_wlp_n_14  * cpt.1
copystring '3' '43' '5'  w_wlp_n_17  * cpt.4
copystring '3' '54' '5'  w_wlp_n_18  * cpt.0
copystring '3' '64' '4'  w_wlp_n_19  * rest
copystring '4' '23' '5'  w_wlp_n_23  * for Transit (T)
copystring '4' '31' '4'  w_wlp_n_24
copystring '4' '42' '4'  w_wlp_n_27
copystring '4' '53' '4'  w_wlp_n_28
copystring '5' '14' '7'  w_wlp_n_32  * for Eic (E)
copystring '5' '23' '5'  w_wlp_n_33
copystring '5' '31' '8'  w_wlp_n_34
copystring '5' '42' '8'  w_wlp_n_37
copystring '5' '53' '7'  w_wlp_n_38
copystring '5' '63' '6'  w_wlp_n_39
copystring '6' '6' '5'   w_wlp_n_41  * for CGO (C)
copystring '6' '14' '7'  w_wlp_n_42
copystring '6' '23' '5'  w_wlp_n_43
copystring '6' '31' '8'  w_wlp_n_44
copystring '6' '42' '8'  w_wlp_n_47
copystring '6' '53' '7'  w_wlp_n_48
copystring '6' '63' '6'  w_wlp_n_49
copystring '7' '6' '5'   w_wlp_n_51  * for Mail (M)
copystring '7' '14' '7'  w_wlp_n_52
copystring '7' '23' '5'  w_wlp_n_53
copystring '7' '31' '8'  w_wlp_n_54
copystring '7' '42' '8'  w_wlp_n_57
copystring '7' '53' '7'  w_wlp_n_58
copystring '7' '63' '6'  w_wlp_n_59
copystring '8' '8' '3'   w_wlp_n_pax
copystring '8' '17' '3'  w_wlp_n_bag
copystring '8' '23' '5'  w_wlp_n_63
copystring '8' '31' '8'  w_wlp_n_64
copystring '8' '42' '8'  w_wlp_n_67
copystring '8' '53' '7'  w_wlp_n_68
copystring '8' '63' '6'  w_wlp_n_69
copystring  '9' '4' '75'  w_line1     * on:
copystring '10' '4' '75'  w_line2
copystring '11' '4' '75'  w_line3
copystring '12' '14' '65'  w_wlp_n_line  *ttl load
copystring '13' '14' '65'  w_wlp_n_line2 *max load
return

label 'cpt4'
*** with cpt.1/2/4/0

copystring '1' '1' '80' w_line0
copystring '2' '1' '80' w_line
copystring '3' '24' '3'  w_wlp_n_13     * row title
copystring '3' '32' '5'  w_wlp_n_14
copystring '3' '43' '5'  w_wlp_n_15
copystring '3' '54' '5'  w_wlp_n_17
copystring '3' '65' '5'  w_wlp_n_18
copystring '3' '75' '4'  w_wlp_n_19

copystring '4' '23' '5'  w_wlp_n_23     * for Transit (T)
copystring '4' '31' '4'  w_wlp_n_24
copystring '4' '42' '4'  w_wlp_n_25
copystring '4' '53' '4'  w_wlp_n_27
copystring '4' '64' '4'  w_wlp_n_28

copystring '5' '14' '7'  w_wlp_n_32     * for Eic (E)
copystring '5' '23' '5'  w_wlp_n_33
copystring '5' '31' '8'  w_wlp_n_34
copystring '5' '42' '8'  w_wlp_n_35
```

```
copystring '5' '53' '8'  w_wlp_n_37
copystring '5' '64' '7'  w_wlp_n_38
copystring '5' '74' '6'  w_wlp_n_39

copystring '6' '5' '6'   w_wlp_n_41     * for CGO (C)
copystring '6' '14' '7'  w_wlp_n_42
copystring '6' '23' '5'  w_wlp_n_43
copystring '6' '31' '8'  w_wlp_n_44
copystring '6' '42' '8'  w_wlp_n_45
copystring '6' '53' '8'  w_wlp_n_47
copystring '6' '64' '7'  w_wlp_n_48
copystring '6' '74' '6'  w_wlp_n_49

copystring '7' '5' '6'   w_wlp_n_51     * for Mail (M)
copystring '7' '14' '7'  w_wlp_n_52
copystring '7' '23' '5'  w_wlp_n_53
copystring '7' '31' '8'  w_wlp_n_54
copystring '7' '42' '8'  w_wlp_n_55
copystring '7' '53' '8'  w_wlp_n_57
copystring '7' '64' '7'  w_wlp_n_58
copystring '7' '74' '6'  w_wlp_n_59

copystring '8' '8' '3'   w_wlp_n_pax
copystring '8' '17' '3'  w_wlp_n_bag
copystring '8' '23' '5'  w_wlp_n_63
copystring '8' '31' '8'  w_wlp_n_64
copystring '8' '42' '8'  w_wlp_n_65
copystring '8' '53' '8'  w_wlp_n_67
copystring '8' '64' '7'  w_wlp_n_68
copystring '8' '74' '6'  w_wlp_n_69

copystring  '9' '4' '75'  w_line1        * on:
copystring '10' '4' '75'  w_line2
copystring '11' '4' '75'  w_line3

copystring '12' '14' '65'  w_wlp_n_line
copystring '13' '14' '65'  w_wlp_n_line2
return

label 'cpt5'
*** with cpt.1/2/3/4/0
copystring '1' '1' '80' w_line0
copystring '2' '1' '80' w_line
copystring '3' '20' '3'  w_wlp_n_13     * row title
copystring '3' '26' '5'  w_wlp_n_14
copystring '3' '36' '5'  w_wlp_n_15
copystring '3' '46' '5'  w_wlp_n_16
copystring '3' '56' '5'  w_wlp_n_17
copystring '3' '67' '5'  w_wlp_n_18
copystring '3' '76' '4'  w_wlp_n_19

copystring '4' '19' '5'  w_wlp_n_23     * for Transit (T)
copystring '4' '26' '4'  w_wlp_n_24
copystring '4' '36' '4'  w_wlp_n_25
copystring '4' '46' '5'  w_wlp_n_26
copystring '4' '56' '4'  w_wlp_n_27
copystring '4' '66' '4'  w_wlp_n_28

copystring '5' '11' '7'  w_wlp_n_32     * for Eic (E)
copystring '5' '19' '5'  w_wlp_n_33
copystring '5' '26' '8'  w_wlp_n_34
copystring '5' '36' '8'  w_wlp_n_35
copystring '5' '46' '8'  w_wlp_n_36
copystring '5' '56' '8'  w_wlp_n_37
copystring '5' '66' '7'  w_wlp_n_38
copystring '5' '75' '6'  w_wlp_n_39

copystring '6' '4' '6'   w_wlp_n_41     * for CGO (C)
copystring '6' '11' '7'  w_wlp_n_42
copystring '6' '19' '5'  w_wlp_n_43
copystring '6' '26' '8'  w_wlp_n_44
copystring '6' '36' '8'  w_wlp_n_45
copystring '6' '46' '8'  w_wlp_n_46
```

```
copystring '6' '56' '8'  w_wlp_n_47
copystring '6' '66' '7'  w_wlp_n_48
copystring '6' '75' '6'  w_wlp_n_49

copystring '7' '4' '6'   w_wlp_n_51     * for Mail (M)
copystring '7' '11' '7'  w_wlp_n_52
copystring '7' '19' '5'  w_wlp_n_53
copystring '7' '26' '8'  w_wlp_n_54
copystring '7' '36' '8'  w_wlp_n_55
copystring '7' '46' '8'  w_wlp_n_56
copystring '7' '56' '8'  w_wlp_n_57
copystring '7' '66' '7'  w_wlp_n_58
copystring '7' '75' '6'  w_wlp_n_59

copystring '8' '6' '3'   w_wlp_n_pax
copystring '8' '14' '3'  w_wlp_n_bag
copystring '8' '19' '5'  w_wlp_n_63
copystring '8' '26' '8'  w_wlp_n_64
copystring '8' '36' '8'  w_wlp_n_65
copystring '8' '46' '8'  w_wlp_n_66
copystring '8' '56' '8'  w_wlp_n_67
copystring '8' '66' '7'  w_wlp_n_68
copystring '8' '75' '6'  w_wlp_n_69

copystring  '9' '4' '75'  w_line1        * on:
copystring '10' '4' '75'  w_line2
copystring '11' '4' '75'  w_line3

copystring '12' '11' '65'  w_wlp_n_line
copystring '13' '11' '65'  w_wlp_n_line2

return
```

```
*
* Subroutine: W_WLP_N_INIT
* for NON_ULD Aircrafts only
* Weight & Balance WLP Subroutine: INIT data item
*
* called by W_WLP_N
*************************************************************


***
*******************************
set w_wlp_n_13 ''
set w_wlp_n_14 ''
set w_wlp_n_15 ''
set w_wlp_n_16 ''
set w_wlp_n_17 ''
set w_wlp_n_18 ''
set w_wlp_n_19 ''

*set w_wlp_n_22 ''
set w_wlp_n_23 ''
set w_wlp_n_24 ''
set w_wlp_n_25 ''
set w_wlp_n_26 ''
set w_wlp_n_27 ''
set w_wlp_n_28 ''
set w_wlp_n_29 ''

set w_wlp_n_32 ''
set w_wlp_n_33 ''
set w_wlp_n_34 ''
set w_wlp_n_35 ''
set w_wlp_n_36 ''
set w_wlp_n_37 ''
set w_wlp_n_38 ''
set w_wlp_n_39 ''

set w_wlp_n_41 ''
set w_wlp_n_42 ''
set w_wlp_n_43 ''
set w_wlp_n_44 ''
set w_wlp_n_45 ''
set w_wlp_n_46 ''
set w_wlp_n_47 ''
set w_wlp_n_48 ''
set w_wlp_n_49 ''

set w_wlp_n_51 ''
set w_wlp_n_52 ''
set w_wlp_n_53 ''
set w_wlp_n_54 ''
set w_wlp_n_55 ''
set w_wlp_n_56 ''
set w_wlp_n_57 ''
set w_wlp_n_58 ''
set w_wlp_n_59 ''
```

```
*
* Subroutine: W_WLP_N_SEND
*                           send wlp mask to host
* Weight & Balance NON ULD
* called by W_WLP_N   with %1 = cpt2..cpt5
*
************************************************************


***  Sending every line of the mask
************************************

*** note: character '•' is a tab (ALT-249 / ESC HT)

*** Send 1.line
set w_send_string ''
copystring '1' '1' '80' w_send_string
execute 'unisys_send' w_send_string ' ' '60' 'I' host_er_nbr

*** Send 2.line
set w_send_string ''
concat w_send_string w_line
execute 'unisys_send' w_send_string ' ' '60' 'C' host_er_nbr

*** Send 3.line
set w_send_string ''
copystring '3' '1' '80' w_send_1
concat w_send_string w_send_1
execute 'unisys_send' w_send_string ' ' '60' 'C' host_er_nbr

*** Send 4. line
set w_send_string ''
copystring '4' '1' '80' w_send_2
concat w_send_string w_send_2
execute 'unisys_send' w_send_string ' ' '60' 'C' host_er_nbr

*** Send 5.line
set w_send_string ''
if %1 = 'cpt2'
  copystring '5' '1' '13' w_temp1
  concat w_send_string w_temp1 w_wlp_n_32
  copystring '5' '21' '10' w_temp1              * w_wlp_n_33
  concat w_send_string w_temp1 w_wlp_n_34 '  •' w_wlp_n_38
  copystring '5' '48' '21' w_temp1
  concat w_send_string  w_temp1
else
 if %1 = 'cpt3'
   copystring '5' '1' '13' w_temp1
   concat w_send_string w_temp1 w_wlp_n_32
   copystring '5' '21' '10' w_temp1
   concat w_send_string w_temp1 w_wlp_n_34 '  •' w_wlp_n_37
   concat w_send_string '  •' w_wlp_n_38
   copystring '5' '61' '13' w_temp1
   concat w_send_string  w_temp1
 else
   if %1 = 'cpt4'
     copystring '5' '1' '13' w_temp1
     concat w_send_string w_temp1 w_wlp_n_32
     copystring '5' '21' '10' w_temp1
     concat w_send_string w_temp1 w_wlp_n_34 '  •' w_wlp_n_35
     concat w_send_string '  •' w_wlp_n_37
     concat w_send_string '  •' w_wlp_n_38
     copystring '5' '72' '9' w_temp1
     concat w_send_string  w_temp1
  else
   if %1 = 'cpt5'
     copystring '5' '1' '10' w_temp1
     concat w_send_string w_temp1 w_wlp_n_32
     copystring '5' '18' '8' w_temp1
     concat w_send_string w_temp1 w_wlp_n_34 ' •' w_wlp_n_35
     concat w_send_string ' •' w_wlp_n_36 ' •' w_wlp_n_37
     concat w_send_string ' •' w_wlp_n_38
     copystring '5' '74' '7' w_temp1
```

```
     concat w_send_string  w_temp1
   endif
  endif
endif
endif


execute 'unisys_send' w_send_string ' ' '60' 'C' host_er_nbr

*** Send 6.line
set w_send_string ''
set w_temp1 ''
if %1 = 'cpt2'
  copystring '6' '1' '13' w_temp1
  concat w_send_string w_temp1 w_wlp_n_42
  copystring '6' '21' '10' w_temp1
  concat w_send_string w_temp1 w_wlp_n_44 '  •' w_wlp_n_48
  copystring '6' '48' '21' w_temp1
  concat w_send_string  w_temp1
else
 if %1 = 'cpt3'
  copystring '6' '1' '13' w_temp1
  concat w_send_string w_temp1 w_wlp_n_42
  copystring '6' '21' '10' w_temp1
  concat w_send_string w_temp1 w_wlp_n_44 '  •' w_wlp_n_47
  concat w_send_string '  •' w_wlp_n_48
  copystring '6' '61' '13' w_temp1
  concat w_send_string  w_temp1
else
  if %1 = 'cpt4'
    copystring '6' '1' '13' w_temp1
    concat w_send_string w_temp1 w_wlp_n_42
    copystring '6' '21' '10' w_temp1
    concat w_send_string w_temp1 w_wlp_n_44 '  •' w_wlp_n_45
    concat w_send_string '  •' w_wlp_n_47
    concat w_send_string '  •' w_wlp_n_48
    copystring '6' '72' '9' w_temp1
concat w_send_string  w_temp1
 else
  if %1 = 'cpt5'
    copystring '6' '1' '10' w_temp1
    concat w_send_string w_temp1 w_wlp_n_42
    copystring '6' '18' '8' w_temp1
    concat w_send_string w_temp1 w_wlp_n_44 ' •' w_wlp_n_45
    concat w_send_string ' •' w_wlp_n_46 ' •' w_wlp_n_47
    concat w_send_string ' •' w_wlp_n_48
    copystring '6' '74' '7' w_temp1
    concat w_send_string  w_temp1
  endif
endif
endif
endif
execute 'unisys_send' w_send_string ' ' '60' 'C' host_er_nbr


*** Send 7.line
set w_send_string ''
set w_temp1 ''
if %1 = 'cpt2'
  copystring '7' '1' '13' w_temp1
  concat w_send_string w_temp1 w_wlp_n_52
  copystring '7' '21' '10' w_temp1
  concat w_send_string w_temp1 w_wlp_n_54 '  •' w_wlp_n_58
  copystring '7' '48' '21' w_temp1
  concat w_send_string  w_temp1
else
 if %1 = 'cpt3'
  copystring '7' '1' '13' w_temp1
  concat w_send_string w_temp1 w_wlp_n_52
  copystring '7' '21' '10' w_temp1
  concat w_send_string w_temp1 w_wlp_n_54 '  •' w_wlp_n_57
  concat w_send_string '  •' w_wlp_n_58
  copystring '7' '61' '13' w_temp1
```

```
  concat w_send_string  w_temp1
else
  if %1 = 'cpt4'
    copystring '7' '1' '13' w_temp1
    concat w_send_string w_temp1 w_wlp_n_52
    copystring '7' '21' '10' w_temp1
    concat w_send_string w_temp1 w_wlp_n_54 '  •' w_wlp_n_55
    concat w_send_string '  •' w_wlp_n_57
    concat w_send_string '  •' w_wlp_n_58
    copystring '7' '72' '9' w_temp1
    concat w_send_string  w_temp1
 else
  if %1 = 'cpt5'
    copystring '7' '1' '10' w_temp1
    concat w_send_string w_temp1 w_wlp_n_52
    copystring '7' '18' '8' w_temp1
    concat w_send_string w_temp1 w_wlp_n_54 ' •' w_wlp_n_55
    concat w_send_string ' •' w_wlp_n_56 ' •' w_wlp_n_57
    concat w_send_string ' •' w_wlp_n_58
    copystring '7' '74' '7' w_temp1
    concat w_send_string  w_temp1
  endif
endif
endif
endif

execute 'unisys_send' w_send_string ' ' '60' 'C' host_er_nbr


*** Send 8.line
set w_send_string ''
if %1 = 'cpt2'
  copystring '8' '1' '16' w_send_2
  concat w_send_string w_send_2 w_wlp_n_bag
  copystring '8' '20' '11' w_send_2
  concat w_send_string w_send_2 w_wlp_n_64
  concat w_send_string '  •' w_wlp_n_68
  copystring '8' '48' '21' w_temp1
  concat w_send_string  w_temp1
else
 if %1 = 'cpt3'
  copystring '8' '1' '16' w_send_2
  concat w_send_string w_send_2 w_wlp_n_bag
  copystring '8' '20' '11' w_send_2
  concat w_send_string w_send_2 w_wlp_n_64
  concat w_send_string '  •' w_wlp_n_67 '  •' w_wlp_n_68
  copystring '8' '61' '13' w_temp1
  concat w_send_string  w_temp1
else
  if %1 = 'cpt4'
    copystring '8' '1' '16' w_send_2
    concat w_send_string w_send_2 w_wlp_n_bag
    copystring '8' '20' '11' w_send_2
    concat w_send_string w_send_2 w_wlp_n_64
    concat w_send_string '  •' w_wlp_n_65
    concat w_send_string '  •' w_wlp_n_67 '  •' w_wlp_n_68
    copystring '8' '72' '9' w_temp1
    concat w_send_string  w_temp1
 else
  if %1 = 'cpt5'
*    copystring '8' '1' '25' w_temp1
    copystring '8' '1' '15' w_send_2
    concat w_send_string w_send_2 w_wlp_n_bag
    copystring '8' '17' '9' w_send_2
    concat w_send_string w_send_2 w_wlp_n_64
    concat w_send_string ' •' w_wlp_n_65 ' •' w_wlp_n_66
    concat w_send_string ' •' w_wlp_n_67 ' •' w_wlp_n_68
    copystring '8' '74' '7' w_temp1
    concat w_send_string  w_temp1
  endif
endif
endif
endif
```

```
execute 'unisys_send' w_send_string ' ' '60' 'C' host_er_nbr

*** Send 9.line
set w_send_string ''
copystring '9' '1' '3' w_send_3
concat w_send_string w_send_3
concat w_send_string w_line1
execute 'unisys_send' w_send_string ' ' '60' 'C' host_er_nbr


*** Send 10.line
set w_send_string ''
copystring '10' '1' '3' w_send_4
concat w_send_string w_send_4
concat w_send_string w_line2
execute 'unisys_send' w_send_string ' ' '60' 'C' host_er_nbr


*** Send 11.line
set w_send_string ''
copystring '11' '1' '3' w_send_5
concat w_send_string w_send_5
concat w_send_string w_line3
execute 'unisys_send' w_send_string ' ' '60' 'C' host_er_nbr

*** Send 12.line
set w_send_string ''
execute 'unisys_send' '' ' ' '60' 'S' host_er_nbr


call 'w_check_er'
exit
```

```
*
* Subroutine: W_WLP_PAL
* for ULD Aircrafts only
* Weight & Balance WLP Subroutine: SET WLP popup variables
* (palettes)
* W_WLP_PAL is called by W_WLP_FILL
*************************************************************


if %1 = w_wlp_101
  set w_wlp_401 %2
  return
endif
if %1 = w_wlp_102
  set w_wlp_402 %2
  return
endif
if %1 = w_wlp_103
  set w_wlp_403 %2
  return
endif
if %1 = w_wlp_104
  set w_wlp_404 %2
  return
endif
if %1 = w_wlp_105
  set w_wlp_405 %2
  return
endif
if %1 = w_wlp_106
  set w_wlp_406 %2
  return
endif
if %1 = w_wlp_107
  set w_wlp_407 %2
  return
endif
if %1 = w_wlp_108
  set w_wlp_408 %2
  return
endif
if %1 = w_wlp_109
  set w_wlp_409 %2
  return
endif
if %1 = w_wlp_110
  set w_wlp_410 %2
  return
endif
if %1 = w_wlp_111
  set w_wlp_411 %2
  return
endif
if %1 = w_wlp_112
  set w_wlp_412 %2
  return
endif
if %1 = w_wlp_113
  set w_wlp_413 %2
  return
endif
if %1 = w_wlp_114
  set w_wlp_414 %2
  return
endif
if %1 = w_wlp_115
  set w_wlp_415 %2
  return
endif
if %1 = w_wlp_116
  set w_wlp_416 %2
  return
endif
```

```
if %1 = w_wlp_117
  set w_wlp_417 %2
  return
endif
```

```
*
* Subroutine: W_WLP_PRESET
* for ULD Aircrafts only
* Weight & Balance WLP Subroutine: Preset variables
*
* W_WLP_PRESET is called by W_WLP_FILL
*************************************************************


*** preset message
******************
set w_wlp_msg w_line0


*** preset LOWER DECK variables
*******************************
set w_wlp_101 'XX'
set w_wlp_201 'XX'
set w_wlp_301 'XX'
set w_wlp_401 'XX'

set w_wlp_102 'XX'
set w_wlp_202 'XX'
set w_wlp_302 'XX'
set w_wlp_402 'XX'

set w_wlp_103 'XX'
set w_wlp_203 'XX'
set w_wlp_303 'XX'
set w_wlp_403 'XX'

set w_wlp_104 'XX'
set w_wlp_204 'XX'
set w_wlp_304 'XX'
set w_wlp_404 'XX'

set w_wlp_105 'XX'
set w_wlp_205 'XX'
set w_wlp_305 'XX'
set w_wlp_405 'XX'

set w_wlp_106 'XX'
set w_wlp_206 'XX'
set w_wlp_306 'XX'
set w_wlp_406 'XX'

set w_wlp_107 'XX'
set w_wlp_207 'XX'
set w_wlp_307 'XX'
set w_wlp_407 'XX'

set w_wlp_108 'XX'
set w_wlp_208 'XX'
set w_wlp_308 'XX'
set w_wlp_408 'XX'

set w_wlp_109 'XX'
set w_wlp_209 'XX'
set w_wlp_309 'XX'
set w_wlp_409 'XX'

set w_wlp_110 'XX'
set w_wlp_210 'XX'
set w_wlp_310 'XX'
set w_wlp_410 'XX'

set w_wlp_111 'XX'
set w_wlp_211 'XX'
set w_wlp_311 'XX'
set w_wlp_411 'XX'

set w_wlp_112 'XX'
set w_wlp_212 'XX'
```

```
set w_wlp_312 'XX'
set w_wlp_412 'XX'

set w_wlp_113 'XX'
set w_wlp_213 'XX'
set w_wlp_313 'XX'
set w_wlp_413 'XX'

set w_wlp_114 'XX'
set w_wlp_214 'XX'
set w_wlp_314 'XX'
set w_wlp_414 'XX'

set w_wlp_115 'XX'
set w_wlp_215 'XX'
set w_wlp_315 'XX'
set w_wlp_415 'XX'

set w_wlp_116 'XX'
set w_wlp_216 'XX'
set w_wlp_316 'XX'
set w_wlp_416 'XX'

set w_wlp_117 'XX'
set w_wlp_217 'XX'
set w_wlp_317 'XX'
set w_wlp_417 'XX'
```

```
*
* Subroutine: W_WLP_PRESET_MD
* for ULD Aircrafts only
* Weight & Balance WLP Subroutine: Preset Maindeck Variables
*
* W_WLP_PRESET_MD is called by W_WLP_FILL_PN
*****************************************************************


*** preset MAINDECK variables
*****************************
set w_wlp_m_101 'XX'
set w_wlp_m_201 'XX'
set w_wlp_m_301 'XX'
set w_wlp_m_401 'XX'

set w_wlp_m_102 'XX'
set w_wlp_m_202 'XX'
set w_wlp_m_302 'XX'
set w_wlp_m_402 'XX'

set w_wlp_m_103 'XX'
set w_wlp_m_203 'XX'
set w_wlp_m_303 'XX'
set w_wlp_m_403 'XX'

set w_wlp_m_104 'XX'
set w_wlp_m_204 'XX'
set w_wlp_m_304 'XX'
set w_wlp_m_404 'XX'

set w_wlp_m_105 'XX'
set w_wlp_m_205 'XX'
set w_wlp_m_305 'XX'
set w_wlp_m_405 'XX'

set w_wlp_m_106 'XX'
set w_wlp_m_206 'XX'
set w_wlp_m_306 'XX'
set w_wlp_m_406 'XX'

set w_wlp_m_107 'XX'
set w_wlp_m_207 'XX'
set w_wlp_m_307 'XX'
set w_wlp_m_407 'XX'

set w_wlp_m_108 'XX'
set w_wlp_m_208 'XX'
set w_wlp_m_308 'XX'
set w_wlp_m_408 'XX'

set w_wlp_m_109 'XX'
set w_wlp_m_209 'XX'
set w_wlp_m_309 'XX'
set w_wlp_m_409 'XX'

set w_wlp_m_110 'XX'
set w_wlp_m_210 'XX'
set w_wlp_m_310 'XX'
set w_wlp_m_410 'XX'

set w_wlp_m_111 'XX'
set w_wlp_m_211 'XX'
set w_wlp_m_311 'XX'
set w_wlp_m_411 'XX'

set w_wlp_m_112 'XX'
set w_wlp_m_212 'XX'
set w_wlp_m_312 'XX'
set w_wlp_m_412 'XX'

set w_wlp_m_113 'XX'
set w_wlp_m_213 'XX'
```

```
set w_wlp_m_313 'XX'
set w_wlp_m_413 'XX'

set w_wlp_m_114 'XX'
set w_wlp_m_214 'XX'
set w_wlp_m_314 'XX'
set w_wlp_m_414 'XX'

set w_wlp_m_115 'XX'
set w_wlp_m_215 'XX'
set w_wlp_m_315 'XX'
set w_wlp_m_415 'XX'

set w_wlp_m_116 'XX'
set w_wlp_m_216 'XX'
set w_wlp_m_316 'XX'
set w_wlp_m_416 'XX'

set w_wlp_m_117 'XX'
set w_wlp_m_217 'XX'
set w_wlp_m_317 'XX'
set w_wlp_m_417 'XX'

set w_wlp_m_118 'XX'
set w_wlp_m_218 'XX'
set w_wlp_m_318 'XX'
set w_wlp_m_418 'XX'
```

```
*
* Subroutine: W_WLP_SEND
*
* Weight & Balance Sending every line of the WLP mask
* called by W_WLP
*
************************************************************


** reset running nr. (8 * 2 variables can be sent with one
**                     transaction)
set w_wlp_nr '1'


set w_send_string ''
concat w_send_string 'WLPI ' w_act_flt


*** parameters in W_WLP_SEND_CH:
***
*** %1 = container/pallet position  (w_wlp_101..117)
*** %2 = L, R, P, ' '               (w_wlp_pos_1..3)
*** %3 = running number of WLP load (w_wlp_201..417)
************************************************

call 'w_wlp_send_ch' w_wlp_101 w_wlp_pos_1 w_wlp_201
call 'w_wlp_send_ch' w_wlp_101 w_wlp_pos_2 w_wlp_301
call 'w_wlp_send_ch' w_wlp_101 w_wlp_pos_3 w_wlp_401

call 'w_wlp_send_ch' w_wlp_102 w_wlp_pos_1 w_wlp_202
call 'w_wlp_send_ch' w_wlp_102 w_wlp_pos_2 w_wlp_302
call 'w_wlp_send_ch' w_wlp_102 w_wlp_pos_3 w_wlp_402

call 'w_wlp_send_ch' w_wlp_103 w_wlp_pos_1 w_wlp_203
call 'w_wlp_send_ch' w_wlp_103 w_wlp_pos_2 w_wlp_303
call 'w_wlp_send_ch' w_wlp_103 w_wlp_pos_3 w_wlp_403

call 'w_wlp_send_ch' w_wlp_104 w_wlp_pos_1 w_wlp_204
call 'w_wlp_send_ch' w_wlp_104 w_wlp_pos_2 w_wlp_304
call 'w_wlp_send_ch' w_wlp_104 w_wlp_pos_3 w_wlp_404

call 'w_wlp_send_ch' w_wlp_105 w_wlp_pos_1 w_wlp_205
call 'w_wlp_send_ch' w_wlp_105 w_wlp_pos_2 w_wlp_305
call 'w_wlp_send_ch' w_wlp_105 w_wlp_pos_3 w_wlp_405

call 'w_wlp_send_ch' w_wlp_106 w_wlp_pos_1 w_wlp_206
call 'w_wlp_send_ch' w_wlp_106 w_wlp_pos_2 w_wlp_306
call 'w_wlp_send_ch' w_wlp_106 w_wlp_pos_3 w_wlp_406

call 'w_wlp_send_ch' w_wlp_107 w_wlp_pos_1 w_wlp_207
call 'w_wlp_send_ch' w_wlp_107 w_wlp_pos_2 w_wlp_307
call 'w_wlp_send_ch' w_wlp_107 w_wlp_pos_3 w_wlp_407

call 'w_wlp_send_ch' w_wlp_108 w_wlp_pos_1 w_wlp_208
call 'w_wlp_send_ch' w_wlp_108 w_wlp_pos_2 w_wlp_308
call 'w_wlp_send_ch' w_wlp_108 w_wlp_pos_3 w_wlp_408

call 'w_wlp_send_ch' w_wlp_109 w_wlp_pos_1 w_wlp_209
call 'w_wlp_send_ch' w_wlp_109 w_wlp_pos_2 w_wlp_309
call 'w_wlp_send_ch' w_wlp_109 w_wlp_pos_3 w_wlp_409

call 'w_wlp_send_ch' w_wlp_110 w_wlp_pos_1 w_wlp_210
call 'w_wlp_send_ch' w_wlp_110 w_wlp_pos_2 w_wlp_310
call 'w_wlp_send_ch' w_wlp_110 w_wlp_pos_3 w_wlp_410

call 'w_wlp_send_ch' w_wlp_111 w_wlp_pos_1 w_wlp_211
call 'w_wlp_send_ch' w_wlp_111 w_wlp_pos_2 w_wlp_311
call 'w_wlp_send_ch' w_wlp_111 w_wlp_pos_3 w_wlp_411

call 'w_wlp_send_ch' w_wlp_112 w_wlp_pos_1 w_wlp_212
call 'w_wlp_send_ch' w_wlp_112 w_wlp_pos_2 w_wlp_312
call 'w_wlp_send_ch' w_wlp_112 w_wlp_pos_3 w_wlp_412
```

```
call 'w_wlp_send_ch' w_wlp_113 w_wlp_pos_1 w_wlp_213
call 'w_wlp_send_ch' w_wlp_113 w_wlp_pos_2 w_wlp_313
call 'w_wlp_send_ch' w_wlp_113 w_wlp_pos_3 w_wlp_413

call 'w_wlp_send_ch' w_wlp_114 w_wlp_pos_1 w_wlp_214
call 'w_wlp_send_ch' w_wlp_114 w_wlp_pos_2 w_wlp_314
call 'w_wlp_send_ch' w_wlp_114 w_wlp_pos_3 w_wlp_414

call 'w_wlp_send_ch' w_wlp_115 w_wlp_pos_1 w_wlp_215
call 'w_wlp_send_ch' w_wlp_115 w_wlp_pos_2 w_wlp_315
call 'w_wlp_send_ch' w_wlp_115 w_wlp_pos_3 w_wlp_415

call 'w_wlp_send_ch' w_wlp_116 w_wlp_pos_1 w_wlp_216
call 'w_wlp_send_ch' w_wlp_116 w_wlp_pos_2 w_wlp_316
call 'w_wlp_send_ch' w_wlp_116 w_wlp_pos_3 w_wlp_416

call 'w_wlp_send_ch' w_wlp_117 w_wlp_pos_1 w_wlp_217
call 'w_wlp_send_ch' w_wlp_117 w_wlp_pos_2 w_wlp_317
call 'w_wlp_send_ch' w_wlp_117 w_wlp_pos_3 w_wlp_417

************************************************
************************************************

*** send bulk items
********************
call 'w_wlp_send_b_ch' w_wlp_p_11 w_wlp_b_11 w_wlp_bc_11
call 'w_wlp_send_b_ch' w_wlp_p_12 w_wlp_b_12 w_wlp_bc_12
call 'w_wlp_send_b_ch' w_wlp_p_13 w_wlp_b_13 w_wlp_bc_13

call 'w_wlp_send_b_ch' w_wlp_p_21 w_wlp_b_21 w_wlp_bc_21
call 'w_wlp_send_b_ch' w_wlp_p_22 w_wlp_b_22 w_wlp_bc_22
call 'w_wlp_send_b_ch' w_wlp_p_23 w_wlp_b_23 w_wlp_bc_23

call 'w_wlp_send_b_ch' w_wlp_p_31 w_wlp_b_31 w_wlp_bc_31
call 'w_wlp_send_b_ch' w_wlp_p_32 w_wlp_b_32 w_wlp_bc_32
call 'w_wlp_send_b_ch' w_wlp_p_33 w_wlp_b_33 w_wlp_bc_33

call 'w_wlp_send_b_ch' w_wlp_p_41 w_wlp_b_41 w_wlp_bc_41
call 'w_wlp_send_b_ch' w_wlp_p_42 w_wlp_b_42 w_wlp_bc_42
call 'w_wlp_send_b_ch' w_wlp_p_43 w_wlp_b_43 w_wlp_bc_43

call 'w_wlp_send_b_ch' w_wlp_p_51 w_wlp_b_51 w_wlp_bc_51
call 'w_wlp_send_b_ch' w_wlp_p_52 w_wlp_b_52 w_wlp_bc_52
call 'w_wlp_send_b_ch' w_wlp_p_53 w_wlp_b_53 w_wlp_bc_53

************************************************
************************************************

if w_wlp_pn = 'y'
  *** Send MAINDECK variables
  **************************
  call 'w_wlp_send_m_ch' w_wlp_m_101 'R' w_wlp_m_201
  call 'w_wlp_send_m_ch' w_wlp_m_101 'L' w_wlp_m_301
  call 'w_wlp_send_m_ch' w_wlp_m_101 ' ' w_wlp_m_401

  call 'w_wlp_send_m_ch' w_wlp_m_102 'R' w_wlp_m_202
  call 'w_wlp_send_m_ch' w_wlp_m_102 'L' w_wlp_m_302
  call 'w_wlp_send_m_ch' w_wlp_m_102 ' ' w_wlp_m_402

  call 'w_wlp_send_m_ch' w_wlp_m_103 'R' w_wlp_m_203
  call 'w_wlp_send_m_ch' w_wlp_m_103 'L' w_wlp_m_303
  call 'w_wlp_send_m_ch' w_wlp_m_103 ' ' w_wlp_m_403

  call 'w_wlp_send_m_ch' w_wlp_m_104 'R' w_wlp_m_204
  call 'w_wlp_send_m_ch' w_wlp_m_104 'L' w_wlp_m_304
  call 'w_wlp_send_m_ch' w_wlp_m_104 ' ' w_wlp_m_404

  call 'w_wlp_send_m_ch' w_wlp_m_105 'R' w_wlp_m_205
  call 'w_wlp_send_m_ch' w_wlp_m_105 'L' w_wlp_m_305
  call 'w_wlp_send_m_ch' w_wlp_m_105 ' ' w_wlp_m_405

  call 'w_wlp_send_m_ch' w_wlp_m_106 'R' w_wlp_m_206
  call 'w_wlp_send_m_ch' w_wlp_m_106 'L' w_wlp_m_306
```

```
  call 'w_wlp_send_m_ch' w_wlp_m_106 ' ' w_wlp_m_406

  call 'w_wlp_send_m_ch' w_wlp_m_107 'R' w_wlp_m_207
  call 'w_wlp_send_m_ch' w_wlp_m_107 'L' w_wlp_m_307
  call 'w_wlp_send_m_ch' w_wlp_m_107 ' ' w_wlp_m_407

  call 'w_wlp_send_m_ch' w_wlp_m_108 'R' w_wlp_m_208
  call 'w_wlp_send_m_ch' w_wlp_m_108 'L' w_wlp_m_308
  call 'w_wlp_send_m_ch' w_wlp_m_108 ' ' w_wlp_m_408

  call 'w_wlp_send_m_ch' w_wlp_m_109 'R' w_wlp_m_209
  call 'w_wlp_send_m_ch' w_wlp_m_109 'L' w_wlp_m_309
  call 'w_wlp_send_m_ch' w_wlp_m_109 ' ' w_wlp_m_409

  call 'w_wlp_send_m_ch' w_wlp_m_110 'R' w_wlp_m_210
  call 'w_wlp_send_m_ch' w_wlp_m_110 'L' w_wlp_m_310
  call 'w_wlp_send_m_ch' w_wlp_m_110 ' ' w_wlp_m_410

  call 'w_wlp_send_m_ch' w_wlp_m_111 'R' w_wlp_m_211
  call 'w_wlp_send_m_ch' w_wlp_m_111 'L' w_wlp_m_311
  call 'w_wlp_send_m_ch' w_wlp_m_111 ' ' w_wlp_m_411

  call 'w_wlp_send_m_ch' w_wlp_m_112 'R' w_wlp_m_212
  call 'w_wlp_send_m_ch' w_wlp_m_112 'L' w_wlp_m_312
  call 'w_wlp_send_m_ch' w_wlp_m_112 ' ' w_wlp_m_412

  call 'w_wlp_send_m_ch' w_wlp_m_113 'R' w_wlp_m_213
  call 'w_wlp_send_m_ch' w_wlp_m_113 'L' w_wlp_m_313
  call 'w_wlp_send_m_ch' w_wlp_m_113 ' ' w_wlp_m_413

  call 'w_wlp_send_m_ch' w_wlp_m_114 'R' w_wlp_m_214
  call 'w_wlp_send_m_ch' w_wlp_m_114 'L' w_wlp_m_314
  call 'w_wlp_send_m_ch' w_wlp_m_114 ' ' w_wlp_m_414

  call 'w_wlp_send_m_ch' w_wlp_m_115 'R' w_wlp_m_215
  call 'w_wlp_send_m_ch' w_wlp_m_115 'L' w_wlp_m_315
  call 'w_wlp_send_m_ch' w_wlp_m_115 ' ' w_wlp_m_415

  call 'w_wlp_send_m_ch' w_wlp_m_116 'R' w_wlp_m_216
  call 'w_wlp_send_m_ch' w_wlp_m_116 'L' w_wlp_m_316
  call 'w_wlp_send_m_ch' w_wlp_m_116 ' ' w_wlp_m_416

  call 'w_wlp_send_m_ch' w_wlp_m_117 'R' w_wlp_m_217
  call 'w_wlp_send_m_ch' w_wlp_m_117 'L' w_wlp_m_317
  call 'w_wlp_send_m_ch' w_wlp_m_117 ' ' w_wlp_m_417

  call 'w_wlp_send_m_ch' w_wlp_m_118 'R' w_wlp_m_218
  call 'w_wlp_send_m_ch' w_wlp_m_118 'L' w_wlp_m_318
  call 'w_wlp_send_m_ch' w_wlp_m_118 ' ' w_wlp_m_418
endif


*** Transmit last buffer contents
*********************************
call 'w_fu_send' ' ' w_send_string 'y' ' '
if host_er_nbr <> '0'
  set w_error '1'
endif
```

```
*
* Subroutine: W_WLP_SEND_B_CH
*
* Weight & Balance Check which BULK variable of WLP to send
* called by W_WLP_SEND
*
************************************************************


*** %1 = bulk position (w_wlp_p_11..53)
*** %2 = running nr.   (w_wlp_b_11..53)
*** %3 = cpy of run.nr.(w_wlp_bc_11..53)


if %2 <> %3
  if %2 <> ' '
    if w_wlp_nr <= '8'
      if %1 = '5.'  ** bulk
        concat w_send_string ' 5/' %2
      else
        concat w_send_string ' ' %1 '/' %2
      endif
    else
      set w_wlp_nr '1'
      call 'w_fu_send' ' ' w_send_string 'y' ' '
      if host_er_nbr <> '0'
        set w_error '1'
      endif
      set w_send_string ''
      concat w_send_string 'WLPI ' w_act_flt ' ' %1 '/' %2
    endif
    add w_wlp_nr '1'
  endif
endif
```

```
*
* Subroutine: W_WLP_SEND_CH
*
* Weight & Balance Check which variable of WLP to send
* called by W_WLP_SEND
*
************************************************************


*** %1 = container/pallet/bulk position (w_wlp_101..117)
*** %2 = w_wlp_pos_1..3 (e.g. L, R, P, ' ')
*** %3 = running nr. (w_wlp_201..417)


if %1 <> 'XX'   ** existing container/pallet pos.
  if %3 <> '  '             ** do not send '  '
    if %3 <> '**'           ** do not send '**'
      if %3 <> 'NI'         ** do not send 'NIL'
        if %3 <> 'XX'       ** do not send 'XX'
          if w_wlp_nr <= '8'
            concat w_send_string ' ' %1 %2 '/' %3
          else
            set w_wlp_nr '1'
            call 'w_fu_send' ' ' w_send_string 'y' ' '
            if host_er_nbr <> '0'
              set w_error '1'
            endif
            set w_send_string ''
            concat w_send_string 'WLPI ' w_act_flt ' ' %1 %2 '/' %3
          endif
          add w_wlp_nr '1'
        endif
      endif
    endif
  endif
endif
```

```
*
* Subroutine: W_WLP_SEND_M_CH
*
* Weight & Balance Check which variable of WLP MAINDECK to send
* called by W_WLP_SEND
*
************************************************************


*** %1 = container position MAINDECK (w_wlp_m_101..118)
*** %2 = w_wlp_pos_1..3 (e.g. L, R, ' ')
*** %3 = running nr. (w_wlp_201..418)


if %1 <> 'XX'   ** existing container/pallet pos.
  if %3 <> '  '             ** do not send '  '
    if %3 <> '**'           ** do not send '**'
      if %3 <> 'NI'         ** do not send 'NIL'
        if %3 <> 'XX'       ** do not send 'XX'
          if w_wlp_nr <= '8'
            concat w_send_string ' ' %1 %2 '/' %3
          else
            set w_wlp_nr '1'
            call 'w_fu_send' ' ' w_send_string 'y' ' '
            if host_er_nbr <> '0'
              set w_error '1'
            endif
            set w_send_string ''
            concat w_send_string 'WLPI ' w_act_flt ' ' %1 %2 '/' %3
          endif
          add w_wlp_nr '1'
        endif
      endif
    endif
  endif
endif
```

```
*
* Subroutine: W_WLP_SET
* FILL for ULDs only!!!
* Weight & Balance WLP Subroutine: SET WLP popup variables
*
* W_WLP_SET is called by W_WLP_FILL
*************************************************************


switch w_wlp_nr
case '1'
  set w_wlp_101 %2
case '2'
  set w_wlp_201 %2
case '3'
  set w_wlp_301 %2
case '4'
  set w_wlp_102 %2
case '5'
  set w_wlp_202 %2
case '6'
  set w_wlp_302 %2
case '7'
  set w_wlp_103 %2
case '8'
  set w_wlp_203 %2
case '9'
  set w_wlp_303 %2
case '10'
  set w_wlp_104 %2
case '11'
  set w_wlp_204 %2
case '12'
  set w_wlp_304 %2
case '13'
  set w_wlp_105 %2
case '14'
  set w_wlp_205 %2
case '15'
  set w_wlp_305 %2
case '16'
  set w_wlp_106 %2
case '17'
  set w_wlp_206 %2
case '18'
  set w_wlp_306 %2
case '19'
  set w_wlp_107 %2
case '20'
  set w_wlp_207 %2
case '21'
  set w_wlp_307 %2
case '22'
  set w_wlp_108 %2
case '23'
  set w_wlp_208 %2
case '24'
  set w_wlp_308 %2
case '25'
  set w_wlp_109 %2
case '26'
  set w_wlp_209 %2
case '27'
  set w_wlp_309 %2
case '28'
  set w_wlp_110 %2
case '29'
  set w_wlp_210 %2
case '30'
  set w_wlp_310 %2
case '31'
  set w_wlp_111 %2
case '32'
```

```
  set w_wlp_211 %2
case '33'
  set w_wlp_311 %2
case '34'
  set w_wlp_112 %2
case '35'
  set w_wlp_212 %2
case '36'
  set w_wlp_312 %2
case '37'
  set w_wlp_113 %2
case '38'
  set w_wlp_213 %2
case '39'
  set w_wlp_313 %2
case '40'
  set w_wlp_114 %2
case '41'
  set w_wlp_214 %2
case '42'
  set w_wlp_314 %2
case '43'
  set w_wlp_115 %2
case '44'
  set w_wlp_215 %2
case '45'
  set w_wlp_315 %2
case '46'
  set w_wlp_116 %2
case '47'
  set w_wlp_216 %2
case '48'
  set w_wlp_316 %2
case '49'
  set w_wlp_117 %2
case '50'
  set w_wlp_217 %2
case '51'
  set w_wlp_317 %2
endswitch
```

```
*
* Subroutine: W_WLP_SET_MD
* FILL for ULDs only!!!
* Weight & Balance WLP Subroutine: SET WLP popup variables
* for M A I N D E C K
* W_WLP_SET_MD is called by W_WLP_FILL
*************************************************************


switch w_wlp_nr
case '1'
  set w_wlp_m_101 %2
case '2'
  set w_wlp_m_201 %2
case '3'
  set w_wlp_m_301 %2
case '4'
  set w_wlp_m_401 %2

case '5'
  set w_wlp_m_102 %2
case '6'
  set w_wlp_m_202 %2
case '7'
  set w_wlp_m_302 %2
case '8'
  set w_wlp_m_402 %2

case '9'
  set w_wlp_m_103 %2
case '10'
  set w_wlp_m_203 %2
case '11'
  set w_wlp_m_303 %2
case '12'
  set w_wlp_m_403 %2

case '13'
  set w_wlp_m_104 %2
case '14'
  set w_wlp_m_204 %2
case '15'
  set w_wlp_m_304 %2
case '16'
  set w_wlp_m_404 %2

case '17'
  set w_wlp_m_105 %2
case '18'
  set w_wlp_m_205 %2
case '19'
  set w_wlp_m_305 %2
case '20'
  set w_wlp_m_405 %2

case '21'
  set w_wlp_m_106 %2
case '22'
  set w_wlp_m_206 %2
case '23'
  set w_wlp_m_306 %2
case '24'
  set w_wlp_m_406 %2

case '25'
  set w_wlp_m_107 %2
case '26'
  set w_wlp_m_207 %2
case '27'
  set w_wlp_m_307 %2
case '28'
  set w_wlp_m_407 %2
case '29'
```

```
  set w_wlp_m_108 %2
case '30'
  set w_wlp_m_208 %2
case '31'
  set w_wlp_m_308 %2
case '32'
  set w_wlp_m_408 %2

case '33'
  set w_wlp_m_109 %2
case '34'
  set w_wlp_m_209 %2
case '35'
  set w_wlp_m_309 %2
case '36'
  set w_wlp_m_409 %2

case '37'
  set w_wlp_m_110 %2
case '38'
  set w_wlp_m_210 %2
case '39'
  set w_wlp_m_310 %2
case '40'
  set w_wlp_m_410 %2

case '41'
  set w_wlp_m_111 %2
case '42'
  set w_wlp_m_211 %2
case '43'
  set w_wlp_m_311 %2
case '44'
  set w_wlp_m_411 %2
case '45'
  set w_wlp_m_112 %2
case '46'
  set w_wlp_m_212 %2
case '47'
  set w_wlp_m_312 %2
case '48'
  set w_wlp_m_412 %2

case '49'
  set w_wlp_m_113 %2
case '50'
  set w_wlp_m_213 %2
case '51'
  set w_wlp_m_313 %2
case '52'
  set w_wlp_m_413 %2

case '53'
  set w_wlp_m_114 %2
case '54'
  set w_wlp_m_214 %2
case '55'
  set w_wlp_m_314 %2
case '56'
  set w_wlp_m_414 %2

case '57'
  set w_wlp_m_115 %2
case '58'
  set w_wlp_m_215 %2
case '59'
  set w_wlp_m_315 %2
case '60'
  set w_wlp_m_415 %2

case '61'
  set w_wlp_m_116 %2
case '62'
```

```
  set w_wlp_m_216 %2
case '63'
  set w_wlp_m_316 %2
case '64'
  set w_wlp_m_416 %2

case '65'
  set w_wlp_m_117 %2
case '66'
  set w_wlp_m_217 %2
case '67'
  set w_wlp_m_317 %2
case '68'
  set w_wlp_m_417 %2

case '69'
  set w_wlp_m_118 %2
case '70'
  set w_wlp_m_218 %2
case '71'
  set w_wlp_m_318 %2
case '72'
  set w_wlp_m_418 %2
endswitch
```

QUELLCODES DER BATCH-DATEIEN AUF DER INSTALLATIONSDISKETTE

SETUP.BAT

```
@echo off
cls
echo.
echo Installationsprogramm für GUIDE / WABE V1.0
echo ------------------------------------------
echo.
echo GUIDE / WABE benötigt knapp 6 MB auf Partition C Ihrer Festplatte.
echo Es wird ein Verzeichnis PRG samt Unterverzeichnissen angelegt.
echo.
echo 0) Abbruch
echo 1) Installation von GUIDE / WABE
echo.
echo Ihre Wahl (0/1)?
a:\wabe\ut.com
if errorlevel 1 goto INSTALL
goto ENDE


:INSTALL
c:
cd \
echo.
echo Bitte warten...
echo ---------------
echo.
echo Bitte ein A eingeben, um alle nötigen Verzeichnisse anlegen zu lassen:
echo.
call a:\wabe\setup_2.bat
echo.
echo.
echo Möchten Sie GUIDE / WABE auch von WINDOWS aus aufrufen können?
echo.
echo 0) NEIN
echo 1) JA
echo.
echo Ihre Wahl (0/1)?
a:\wabe\ut.com
if errorlevel 1 goto WIN
c:
cd \prg\guide\programs
goto ENDE

:WIN
c:
cd \
if not exist c:\windows\win.com goto ERROR
a:\wabe\arj x a:\wabe\anleg.arj > NUL:
copy a:\wabe\wabe.pif c:\windows
WIN c:\anleg.exe
del c:\anleg.exe
cd c:\prg\guide\programs
goto ENDE

:ERROR
echo.
echo FEHLER-Verzeichnis WINDOWS auf Laufwerk C nicht gefunden!
echo.


:ENDE
```

SETUP_2.BAT

```
@echo off
REM DIESE DATEI NIEMALS DIREKT AUFRUFEN!!!
REM -----------------------------------
REM
a:\wabe\arj x a:\wabe\wabe.arj > NUL:
```

DO_WABE.BAT

```
@echo off
REM   ******************************************************
REM   *    Dieses Programm kopiert alle nötigen Dateien     *
REM   *    einer Vollversion von GUIDE / WABE auf eine      *
REM   *    NUR lauffähige (nicht änderbare) Version.        *
REM   *                                                     *
REM   *    Parameter 1: Quell-Laufwerk Vollversion          *
REM   *    Parameter 2: Zielverzeichnis NUR-START-Version   *
REM   ******************************************************


REM check parameter 1
if /%1/ == // goto WRONG_PARA
if /%1/ == /%2/ goto WRONG_PARA
for %%i in (C,D,E,F,G,H,I,J,K,L,M,N,O,P,Q,R,S,T,U,V,W,X,Y,Z) do if %1 ==
%%i: goto OK1
for %%i in (c,d,e,f,g,h,i,j,k,l,m,n,o,p,q,r,s,t,u,v,w,x,y,z) do if %1 ==
%%i: goto OK1
goto WRONG_PARA


REM check parameter 2
:OK1
if /%2/ == // goto WRONG_PARA
goto PACK_IT


:WRONG_PARA
ECHO.
ECHO Diese Batchdatei ist für die Systempflege von GUIDE/WABE gedacht.
ECHO Wurde eine neue Version von WABE entwickelt, erstellt diese Datei
ECHO vollautomatisch die dazugehörige Installationsdiskette.
ECHO.
ECHO Aufruf:
ECHO %0 (Quell-Laufwerk [C: - Z:]) (kompletter Zielpfad)
ECHO.
ECHO Bitte beachten:
ECHO %0 kopiert aus der Vollversion von GUIDE/WABE auf dem angegebenen
ECHO Quell-Laufwerk mit dem Pfad \PRG\GUIDE alle nötigen Dateien für eine
ECHO nur lauffähige, nicht änderbare Version in das angegebene Zielver-
ECHO zeichnis. In einem zweiten Schritt werden aus dem Zielverzeichnis
ECHO alle Dateien auf die Installationsdiskette in Laufwerk A: kopiert.
ECHO Folgende Dateien werden vom Zielverzeichnis auf die Diskette kopiert:
ECHO * die gerade erstellte Datei WABE.ARJ
ECHO sowie folgende Dateien, die sich bereits vorher im Zielverzeichnis
ECHO befinden müssen:
ECHO * ANLEG.ARJ
ECHO * UT.COM
ECHO * ARJ.EXE
ECHO * WABE.PIF
ECHO * SETUP_2.BAT
ECHO * DO_WABE.BAT
ECHO * SETUP.BAT
ECHO.
ECHO Anschließend wird getestet, ob die neu erstellte Installationsdiskette
ECHO lauffähig ist.
goto ENDE


:PACK_IT
del %2\wabe.arj
if not exist %1\prg\guide\programs\wabe.bat ECHO
     %1\PRG\GUIDE\PROGRAMS\WABE.BAT does not exist!
if not exist %1\prg\guide\programs\wabe.bat goto ERROR
call do_w_pck.bat %2\wabe %1\prg\guide\programs\wabe.bat
call do_w_pck.bat %2\wabe %1\prg\guide\programs\menu.bat
call do_w_pck.bat %2\wabe %1\prg\guide\programs\ipxwkstn.exe
call do_w_pck.bat %2\wabe %1\prg\guide\programs\qik_res.exe
call do_w_pck.bat %2\wabe %1\prg\guide\programs\uniguide.exe
call do_w_pck.bat %2\wabe %1\prg\guide\programs\uniscope.qr
call do_w_pck.bat %2\wabe %1\prg\guide\programs\install.rec
```

```
call do_w_pck.bat %2\wabe %1\prg\guide\db.cur\em_image
call do_w_pck.bat %2\wabe %1\prg\guide\db.cur\*.bin
call do_w_pck.bat %2\wabe %1\prg\guide\db.cur\agentlog.*
call do_w_pck.bat %2\wabe %1\prg\guide\db.cur\em_cntrl.dat
call do_w_pck.bat %2\wabe %1\prg\guide\db.cur\mods.*
call do_w_pck.bat %2\wabe %1\prg\guide\db.cur\ocommand.*
call do_w_pck.bat %2\wabe %1\prg\guide\db.cur\odatitem.*
call do_w_pck.bat %2\wabe %1\prg\guide\db.cur\odewind.*
call do_w_pck.bat %2\wabe %1\prg\guide\db.cur\okeypad.*
call do_w_pck.bat %2\wabe %1\prg\guide\db.cur\owindow.*
call do_w_pck.bat %2\wabe %1\prg\guide\db.cur\password.*
call do_w_pck.bat %2\wabe %1\prg\guide\db.cur\scell.*
call do_w_pck.bat %2\wabe %1\prg\guide\db.cur\sdatitem.*
call do_w_pck.bat %2\wabe %1\prg\guide\db.cur\sdefault.*
call do_w_pck.bat %2\wabe %1\prg\guide\db.cur\sdiview.*
call do_w_pck.bat %2\wabe %1\prg\guide\db.cur\sdynamic.*
call do_w_pck.bat %2\wabe %1\prg\guide\db.cur\skeypad.*
call do_w_pck.bat %2\wabe %1\prg\guide\db.cur\sysinit.*
call do_w_pck.bat %2\wabe %1\prg\guide\db.cur\usr_rsp.*
call do_w_pck.bat %2\wabe %1\prg\guide\db.cur\hlp_*.*
call do_w_pck.bat %2\wabe %1\prg\guide\db.cur\*.ini
call do_w_pck.bat %2\wabe %1\prg\guide\db.cur\*.lst
call do_w_pck.bat %2\wabe %1\prg\guide\db.cur\*.mwf
call do_w_pck.bat %2\wabe %1\prg\guide\db.cur\install.rec
call do_w_pck.bat %2\wabe %1\prg\guide\db.cur\color*.*

REM copy to disk
ECHO.
ECHO leere Diskette in Laufwerk A: legen, RETURN
PAUSE > NUL:
a:
cd \
md WABE
cd WABE
copy %2\WABE.ARJ a:
copy %2\ANLEG.ARJ a:
copy %2\UT.COM a:
copy %2\ARJ.EXE a:
copy %2\WABE.PIF a:
copy %2\SETUP_2.BAT a:
copy %2\do_wabe.bat a:
copy %2\do_w_pck.bat a:
cd ..
copy %2\SETUP.BAT a:

REM test if copy ok
ECHO.
ECHO Die Installationsdiskette wird getestet...
if not exist a:\wabe\wabe.arj goto ERROR
if not exist a:\wabe\anleg.arj goto ERROR
if not exist a:\wabe\ut.com goto ERROR
if not exist a:\wabe\arj.exe goto ERROR
if not exist a:\wabe\wabe.pif goto ERROR
if not exist a:\wabe\setup_2.bat goto ERROR
if not exist a:\wabe\do_wabe.bat goto ERROR
if not exist a:\wabe\do_w_pck.bat goto ERROR
if not exist a:\setup.bat goto ERROR
ECHO Alle Dateien vorhanden...
ECHO.
goto ENDE


:ERROR
ECHO.
ECHO Fehler-Installation auf Laufwerk A: nicht vollständig!
ECHO.
goto ENDE


:ENDE
```

DO_W_PCK.BAT

```
@echo off
REM diese Datei ist nötig, da ARJ.EXE nach jedem Aufruf die direkt
REM darüberliegende, rufende Batch-Datei beendet.
REM
REM Diese Datei NIEMALS EINZELN aufrufen!
REM -------------------------------------
arj a %1 %2
```

WABE.BAT

(von der Firma SDT übernommen und an eigene Zwecke angepasst)

```
@ECHO OFF
REM   ***************************************************
REM   *    This batch file is used to run GUIDE for the   *
REM   *    CHI platform.  There are several variables that*
REM   *    are specific for each airport location and     *
REM   *    application type.  These should be modified    *
REM   *    for each location.                             *
REM   ***************************************************

c:
cd \prg\guide\programs
rem IF NOT /%CONFIG%/ == /CFG_GUIDE/ goto WRONGENV
REM Hier den Keyboard-Satz des jeweiligen Landes einsetzen
SET KBD=GR

call menu.bat

CLS
SET C=W
set GDL=C:
SET VD=NO
SET VDISK=

:KEEPGOIN
REM           Check to see if the database exists.  If not exit out!!!

IF NOT EXIST %GDL%\prg\guide\DB.CUR\EM*.* GOTO NODB

REM           Set the environment variables.  If any fail to set, exit
out!!!

:NOVD
REM This Machine has NO VIRTUAL DRIVE !!!!

SET WINDOWS_FILE=WINDOWS.MWF
IF "%WINDOWS_FILE%." == "." GOTO NOENV
SET KEYPADS_FILE=KEYPADS.MWF
IF "%KEYPADS_FILE%." == "." GOTO NOENV
SET ENHHELP_FILE=


SET LIST_DIR=%GDL%\prg\guide\DB.CUR

rem    The following 2 environment variables need to be specific for
rem    each location/application of GUIDE.  All are RUNTIME only settings

rem
-------------------------------------------------------------------------
                                  rem ****3 letter code for airport location
REM replaced by install SET LOC=FRA
SET LOC=FRA
if %LOC%. == .  goto NOENV

rem
-------------------------------------------------------------------------
                                  rem ****Application type. Currently
                                  rem     it is  either CCI or GATES,
                                  rem     TO, RENTS (Sixt), RENTA (Avis)
REM replaced by install SET APP=CCI
SET APP=WB
if %APP%. == .  goto NOENV

rem
-------------------------------------------------------------------------
                                  rem ****Should never be field changed
SET COLORS_DIR=\prg\guide\DB.CUR
if %COLORS_DIR%. == .  goto NOENV
```

```
rem
--------------------------------------------------------------------------
                                    rem ****Should never be field changed
SET QR_TYPE=NODE
if %QR_TYPE%. == .  goto NOENV

rem
--------------------------------------------------------------------------
                                    rem ****Should never be field changed
SET EMS_SIZE=90
if %EMS_SIZE%. == .  goto NOENV

rem
--------------------------------------------------------------------------
                                    rem ****3 system setup
SET SYS=QT2
if %SYS%. == .  goto NOENV

rem
--------------------------------------------------------------------------



%GDL%
cd \prg\guide\db.cur > NUL
if not exist *.* goto NODB
if not exist \prg\guide\programs\uniguide.* goto NOEXE

rem set QRDEBUG=ON
keyb US
\prg\guide\programs\uniguide \prg\guide\programs\uniscope.qr
cd \prg\guide\programs > NUL
goto DONE

:NODB
cls
echo     GUIDE cannot find a database
echo.
pause
goto DONE

:NOEXE
cls
echo     GUIDE cannot find an executable
echo.
pause
goto DONE

:NOENV
cls
echo     GUIDE does not have enough environment space to set variables
echo.
echo     current settings:
set
pause
goto DONE

:NODRIVE
cls
echo     GUIDE cannot find this drive
echo.
pause
goto DONE

:WRONGENV
cls
echo.
echo.
echo ERROR --- wrong environment!
echo.
goto QUIT
```

```
:DONE
SET C=
SET GDL=
SET VD=
SET WINDOWS_FILE=
SET KEYPADS_FILE=
SET LIST_DIR=
SET LOC=
SET APP=
SET COLORS_DIR=
SET QR_TYPE=
SET EMS_SIZE=
SET SYS=
SET DB=
SET RTDB=
SET WIND=
SET RTWIND=
SET QRDEBUG=

if "%KBD%." == "." goto QUIT
keyb %KBD%

:QUIT
SET KBD=
```

MENU.BAT

```
@echo off
cls
:start
be window 0,0,23,79 bright white on white explode shadow
rem be window 2,20,4,60 bright white on green
rem be window 4,10,21,69 bright white on red explode shadow

be rowcol  4,20 "GUIDE / WABE Konfiguration:" bright yellow
be rowcol  6,14 "Wählen Sie eine Farbkombination:  "bright white
be rowcol  7,14 "   Hintergrund              Vordergrund "bright white
rem be window  8,14,8,63 bright white on green
be rowcol  8,14 "    grün             :        weiß  ............."bright
white
rem be window  9,14,9,63 black on green
be rowcol  9,14 "    grün             :        schwarz ............"black
rem be window 10,14,10,63 blue on white
be rowcol 10,14 "    weiß             :        blau................."blue
rem be window 11,14,11,63 blue on white
be rowcol 11,14 "    grau             :        blau................."blue
rem be window 12,14,12,63 black on cyan
be rowcol 12,14 "    cyan             :        schwarz............."black
rem be window 13,14,13,63 bright cyan on cyan
be rowcol 13,14 "    light cyan       :        cyan ..............."bright
cyan
be rowcol 14,14 "    grau             :        weiß ..............."bright
white
be rowcol 15,14 "    grau             :        light cyan........."bright
white
rem be rowcol 16,14 "Beenden "bright white

:WEITER
be rowcol 8, 63 "1" bright yellow
be rowcol 9, 63 "2" bright yellow
be rowcol 10,63 "3" bright yellow
be rowcol 11,63 "4" bright yellow
be rowcol 12,63 "5" bright yellow
be rowcol 13,63 "6" bright yellow
be rowcol 14,63 "7" bright yellow
be rowcol 15,63 "8" bright yellow
rem be rowcol 16,63 "0" bright yellow
rem be rowcol 15,63 "0" bright yellow
REM     PUT UP THE PROMPT FOR USER INPUT.


:WEITER2
be box 18,22,20,55 bright yellow on red
be rowcol 19,26 "Bitte eine Taste drücken: " bright yellow

:ut
be rowcol 19,52

ut
if errorlevel  8  goto  grau_light_cyan
if errorlevel  7  goto  grau_weiss
if errorlevel  6  goto  cyan_light_cyan
if errorlevel  5  goto  cyan_schwarz
if errorlevel  4  goto  grau_blau
if errorlevel  3  goto  weiss_blau
if errorlevel  2  goto  gruen_schwarz
if errorlevel  1  goto  gruen_weiss
rem if errorlevel  0  goto  end_all

:gruen_weiss
SET C=W
echo 1
cls
copy c:\prg\guide\db.cur\color_wh.gre ..\db.cur\colors.whi
goto END_ALL

:gruen_schwarz
```

```
SET C=W
echo 2
cls
copy c:\prg\guide\db.cur\color_bk.gre ..\db.cur\colors.whi
goto END_ALL

:weiss_blau
SET C=W
echo  3
cls
copy c:\prg\guide\db.cur\color_bu.whi ..\db.cur\colors.whi
goto END_ALL

:grau_blau
SET C=G
echo 4
cls
copy c:\prg\guide\db.cur\color_bu.gry ..\db.cur\colors.whi
goto END_ALL

:grau_weiss
SET C=G
echo 7
cls
copy c:\prg\guide\db.cur\color_wh.gry ..\db.cur\colors.whi
goto END_ALL

:grau_light_cyan
SET C=G
echo 8
cls
copy c:\prg\guide\db.cur\color_lc.gry  ..\db.cur\colors.whi
goto END_ALL

:cyan_schwarz
SET C=W
echo 5
cls
copy c:\prg\guide\db.cur\color_bk.cya ..\db.cur\colors.whi
goto END_ALL

:cyan_light_cyan
SET C=W
echo 6
cls
copy c:\prg\guide\db.cur\color_lc.cya ..\db.cur\colors.whi
goto END_ALL


:END_ALL
cls
```

Liste der für ein lauffähiges GUIDE/WABE benötigten Dateien

```
 Volume in drive C is MS-DOS_6
 Volume Serial Number is 1EB7-9B4A

Directory of C:\PRG

.            <DIR>     04.09.95   14:50
..           <DIR>     04.09.95   14:50
GUIDE        <DIR>     04.09.95   14:50
        3 file(s)          0 bytes

Directory of C:\PRG\GUIDE

.            <DIR>     04.09.95   14:50
..           <DIR>     04.09.95   14:50
PROGRAMS     <DIR>     04.09.95   14:50
DB       CUR <DIR>     04.09.95   14:50
        4 file(s)          0 bytes

Directory of C:\PRG\GUIDE\DB.CUR

.            <DIR>     04.09.95   14:50
..           <DIR>     04.09.95   14:50
COLORS             459 13.07.92   15:13
EM_IMAGE       2113536 29.08.95   14:26
10PT40L  BIN      2560 28.02.94   16:03
NWIN8X8  BIN      2048 05.08.93   19:36
SANSRF10 BIN      2564 20.05.93   12:51
SANSRF8  BIN      2052 20.05.93   16:06
WIND_10  BIN      2560 27.05.93   11:17
COLOR_BK CYA       457 19.07.95   20:07
COLOR_LC CYA       457 24.07.95   11:19
AGENTLOG DAT       130 27.10.91   18:12
EM_CNTRL DAT        79 29.08.95   14:26
MODS     DAT      2048 04.09.95    9:26
OCOMMAND DAT     24576 29.08.95   14:26
ODATITEM DAT    106496 28.08.95   18:47
ODEWIND  DAT     10240 29.08.95   14:21
OKEYPAD  DAT      2048 28.08.95   19:15
OWINDOW  DAT      2048 02.08.95   16:06
PASSWORD DAT      2048 21.11.91   15:58
SCELL    DAT     28608 04.09.95    9:25
SDATITEM DAT    796598 23.08.95   17:41
SDEFAULT DAT       220 11.03.94   19:23
SDIVIEW  DAT     24576 05.12.94   16:14
SDYNAMIC DAT      2048 23.05.95    3:53
SKEYPAD  DAT     11950 28.08.95   10:07
SYSINIT  DAT      2048 18.08.95   14:33
USR_RSP  DAT     20480 29.08.95   14:26
HLP_RESK DOC     49901 27.08.93   18:43
HLP_RESP DOC    170898 27.08.93   18:42
COLOR_BK GRE       457 18.07.95   14:12
COLOR_WH GRE       457 18.07.95   14:26
COLORS   GRY       459 13.07.92   15:13
COLOR_BU GRY       459 24.07.95   18:07
COLOR_LC GRY       459 24.07.95   17:41
COLOR_WH GRY       459 19.07.95   10:33
COLORS   HLD       460 13.01.94   15:48
AGENTLOG IDX       768 27.10.91   18:12
MODS     IDX      2048 04.09.95    9:25
OCOMMAND IDX     40960 29.08.95   14:25
ODATITEM IDX    137216 23.08.95   17:41
ODEWIND  IDX     14336 22.08.95   12:13
OKEYPAD  IDX      2048 31.07.95   13:13
```

```
OWINDOW  IDX      2048 02.08.95   16:06
PASSWORD IDX      2048 21.11.91   15:58
SCELL    IDX     10240 18.08.95   10:26
SDATITEM IDX    120832 23.08.95   17:41
SDEFAULT IDX       768 11.03.94   19:23
SDIVIEW  IDX      4096 05.12.94   16:14
SDYNAMIC IDX      2048 11.03.94   19:24
SKEYPAD  IDX      2048 31.07.95   13:13
SYSINIT  IDX      2048 15.03.94   18:33
USR_RSP  IDX     18432 19.07.95   12:12
QIK_RES  INI       413 15.03.94   11:26
SEATMAP  INI      2015 16.03.95    8:04
NEW_LIST LST       820 29.08.95   14:24
ENHHELP  MWF      2802 29.08.95   14:26
KEYPADS  MWF     25424 28.08.95   19:15
WINDOWS  MWF    614253 29.08.95   14:26
HLP_RESK NDX       226 27.08.93   18:43
HLP_RESP NDX      1240 27.08.93   18:42
COLORS   WHI       457 18.07.95   14:26
COLOR_BU WHI       459 25.02.94   11:47
       63 file(s)    4397036 bytes

Directory of C:\PRG\GUIDE\PROGRAMS

.            <DIR>     04.09.95   14:50
..           <DIR>     04.09.95   14:50
MENU     BAT      3150 29.08.95   15:38
WABE     BAT      3803 04.09.95   17:41
IPXWKSTN EXE     41991 06.04.90   12:55
QIK_RES  EXE    338269 13.02.95   15:33
UNIGUIDE EXE     30288 13.01.94   12:48
UNISCOPE QR       1024 21.07.95   11:53
INSTALL  REC       187 14.04.95   16:54
        9 file(s)     418712 bytes

Total files listed:
       79 file(s)    4815748 bytes
                    30523392 bytes free
```