Product Description

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Travsys Smart Check-in Agent

Product Identity

Order code: 0100??
Travsys Smart Check-in Agent

Outline Description

The Travsys Smart Check-in Agent (TSCA) is a Windows* application providing basic terminal emulation to the user and the handling of all special peripherals like printers and scanners. In addition to the basic Terminal Emulation, the TSCA has application tabs which have automated certain processes required by airlines. Some of these application features are: Check-in process, Boarding process, and others.

The TSCA can work as a standalone application connected to the CSPNT server for communication, or the TSCA can work in the “Web Connect” environment.
Another version of the TSCA product is the TSCA Central, and the TSCA light client. See PD-TS-030 for further description of TSCA Central.

With the TSCA the user is able to send commands to the host using the natural command syntax of the host system. Multiple airline communication windows can be active at the same time.

The TSCA has special applications designed for Check-in and Boarding. This is a full Graphical User Interface (GUI) automating the check-in process. A special module is handling the translation between the airline host and the GUI. Each airline has its own translation module, but the GUI is the same for all.

The TSCA supports devices necessary for document processing, namely Boarding Pass Printers (BPP), Bag Tag Printers (BTP), CC readers, Passport OCR readers, ATB Printers, and Document Printers. Support for the use of directly connected printers or remote printers (e.g. connected to another nearby workstation) is provided.

Travsys Smart Check-in Agent contains the following components:

- Native screen application
- Check-in GUI
- Boarding GUI and application
- Airline specific handler

Principal Features

Screen Layout

Each airline host session is contained within the TSCA application frame window. Each host session has its own window that has a title bar and status line. The Session status line indicates the communication line status, the cursor position, etc. Depending on the protocol, host session windows can be split into 2 or 4 panes, all sharing the same address.

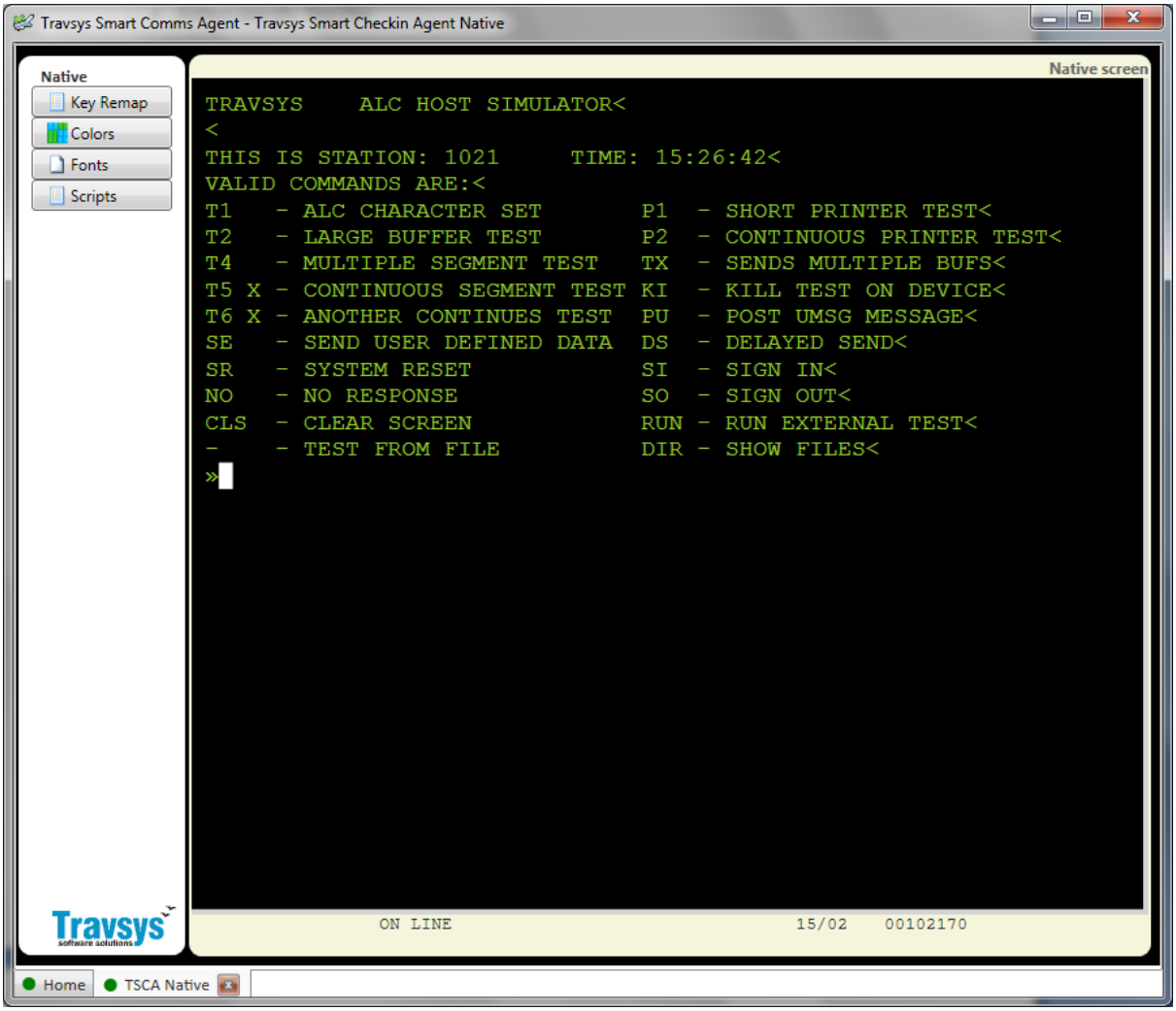


Figure 1: The main screen of the TSCA application is shown.

Status Lines (Host Sessions)

A consistent host status line format is provided which is independent of the underlying host communication protocol. It contains the following information:

Communication line status

ON LINE	The communication line is active
NO POLL	No polls received for at least 20 sec.
NO DATA	No data activity on the communication line at all
NO DCD	No Data Carrier Detect signal from the modem
NO DSR	No Data Set Ready signal from the modem
COM 597	Connection lost with the communication server
COM 599	New connection with the server to be established

Keyboard lock

X SYSTEM	Message submitted for transmission
X WAIT	Message send to the host system, waiting for response
X NO SOM	No Start Of Message where a SOM was required

Printer status

PBUSY	Printer busy with other print request
PRINT	Printer printing
PBAD	Printer malfunctioning

Cursor position (row and column position)

UMSG indicator (set when an UMSG message is received)

PUSH RPT indicator (set when a message with an error is received)

RE-ENTER indicator (set when a RE-ENTER message is received)

Free text field (is used for general information such as the name of airline)

Host Commands (Entry and Response)
Within a host session window, commands can be entered by the check-in agent and submitted to the host. These commands can be entered as the native commands of the airline host.

ALC/CPARS Hosts (normal messages)
With ALC/CPARS host session, command entry should start after the SOM symbol (>). Pressing the ENTER key sends all the data between the SOM and the cursor (not including the cursor location) to the airline host via the appropriate communication server.

Output data from the host is transmitted back to the host session, having been checked within the communication server for transmission errors. This data is displayed according to the host control sequences embedded within the response. If a CCC error were to be detected, the PUSH RPT indicator is displayed on the session status line and is cleared when the REPEAT key is pressed.

ALC/CPARS Hosts (broadcast messages)
If the airline host or the communication network issues a broadcast message that is destined for the client workstation, the broadcast message appears at the broadcast message area at the bottom of the frame window. This message is erased when the 'Clear' key is pressed
If the airline host or the communication network issues a UMSG message, the UMSG indicator is displayed at the host status line. This indicator is cleared when the UMSG function key is pressed.

Similarly, if the airline host or the communication network issues a RE-ENTER message, the RE-ENTER indicator is displayed at the host status line. This indicator is removed when the next message in transmitted.

UTS Hosts (normal messages)
With a UTS host session, command entry should start after the SOM symbol (>) or at the home position (top left corner) on the window. Once complete, pressing the ENTER key will send all data between the SOM or the home position and the cursor, including the character at the cursor location to the airline host via the communication server.

Output data from the host is transmitted back to the host session, having been checked within the communication server for transmission errors. This data is displayed according to the host control sequences embedded within the response.

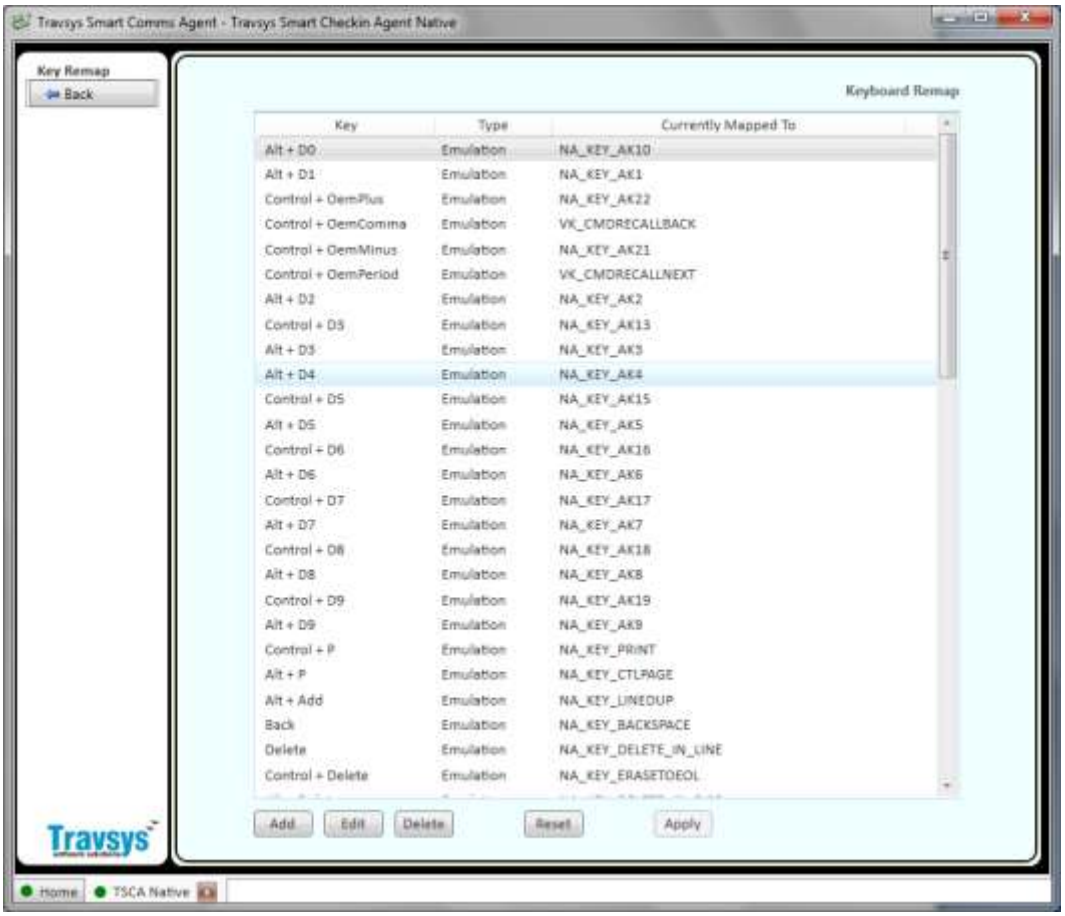
UTS Hosts (broadcast messages)
If the airline host or the communication network issues a broadcast message, which is destined for the client, the broadcast message will appear at the broadcast message are at the bottom of the window. This message is erased when the 'Clear' key is pressed

If the airline host or the communication network issues a UMSG message, then UMSG indicator is displayed at the host status line. This indicator is cleared when the UMSG function key is pressed.

Native Function keys

Key Remap

A keyboard re-mapping function redefines the keyboard layout and assigns simple strings to function keys. It is also possible to assign menu functions and macro scripts to single keys. The settings are stored in the check-in agents network server user directory, and the current settings are restored on the workstation each time the user signs on.



Screen colour change

Depending on the protocol used, each field type can be set to an appropriate colour.

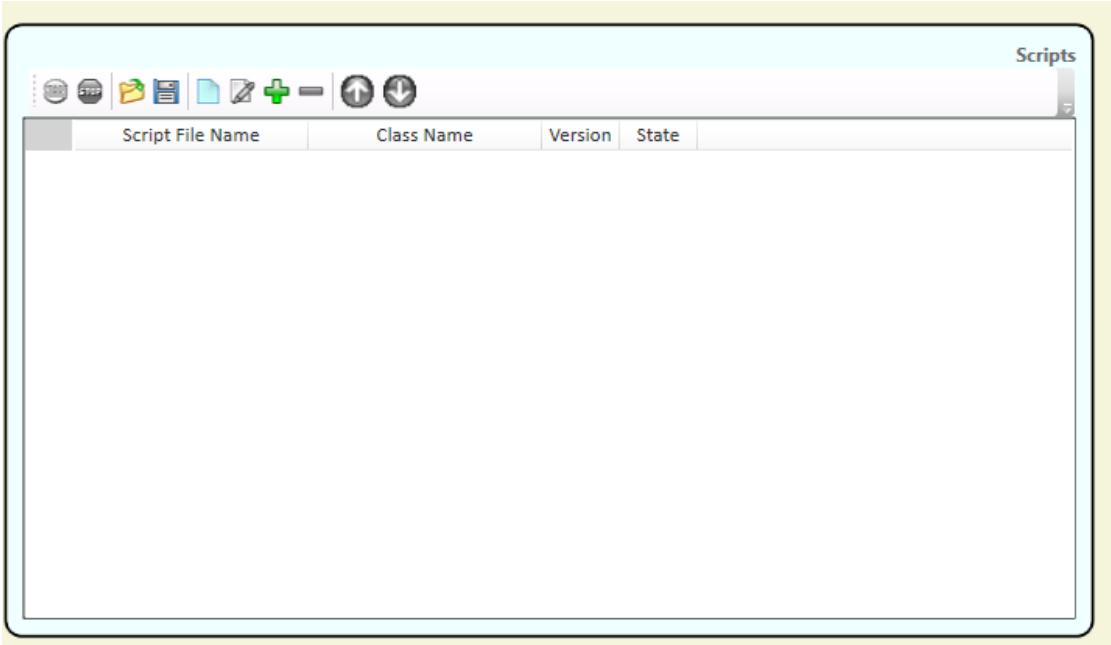
Font selection.

The user can specify which font is most suitable for him.

Script associated with a TSCA session

Overview

The scripting facility is compatible with Microsoft's Visual Basic and has been extended to provide the additional scripting features necessary for use within the TSCA application.



Each TSCA session can have a script attached. These scripts can be JAVA scrip, VB Script, or C# script.

Online Help
To assist the agent, a help facility is available. It is possible to access on line help by pressing F1 to get context-sensitive help, using the the help button on the Toolbar to open the Help Contents window, using the Help menu, and by pressing the Help button in any of the dialog boxes.

Printer Support
Part of the agent's normal work involves the use of a variety of different printers. TSCA supports a number of printer types, either connected directly to the client workstation or, by use of the printer server functionality, those connected on another client workstation (preferably one nearby).

Configuration data defines the default printer configuration for each workstation, although each check-in agent is able to select an alternative via the applications menus and toolbars.

The following printers are supported: -

Document printers
Any Windows supported printer
Baggage Tag Printers
Boarding Pass Printers
ATB Printers

The printers are driven as per request received from the airline host during the processing of check-in transactions. Whilst a locking mechanism is utilised to minimise the intermixing of different client workstation 'printouts' when a printer is being 'shared', this can only be achieved to a level of granularity allowed by the host airline printing protocols.

The TSCA Check-in Graphical User Interface

Optional and airline DCS system specific

Hardware and Software Prerequisites

- IBM Pentium V PC or compatible
- 1 GB RAM
- Windows 7 or later
- Keyboard and Mouse
- A TCP/IP network connection to connect to the Web Connect and the CSPNT Server.

Trademarks

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