User Interface - Feature #12194

symbol fonts (Script=symbol) in the font table

11/16/2026 03:51 PM - Greg Shah

Status:	New	**Start date:**	
Priority:	Normal	**Due date:**	
Assignee:		**% Done:**	0%
Category:		**Estimated time:**	0.00 hour
Target version:			
billable:	No	**reviewer:**	
vendor_id:	GCD	**production:**	No
case_num:		**env_name:**	
version_reported:		**topics:**	
version_resolved:			

Description

History

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Problem

OpenEdge GUI applications define symbol fonts such as Wingdings in the font table, with the Script=symbol option:

```
[Fonts]
font12=Wingdings, size=10, script=symbol
```

and then show icons as ordinary characters in that font, typically check and cross marks in browse columns and fill-ins:

```
ASSIGN cStatus = IF lDone THEN CHR(252) ELSE CHR(251).   /* Wingdings check / cross */
DISPLAY cStatus WITH FRAME f.                             /* column uses FONT 12   */
```

On Windows the font has its own glyphs at those code points. FWD's FontTable strips the option (// TODO support "Script=symbol"), so the characters are shown in a text font: CHR(252) appears as "ü" and CHR(251) as "û" in the web and Swing clients.

Work

1. Parse and keep Script=symbol in the font table, and expose it on the font so the clients know it is a symbol font.
2. Choose how symbol characters are rendered, and implement it in both the web and Swing clients:
   - map the symbol font's code points to the equivalent Unicode characters (for Wingdings, for example 251 to ☑ U+2717 and 252 to ☒ U+2713), drawn with a font that has them; or
   - ship and use a symbol font with the same layout, where its licence allows.
3. Provide mapping tables for Wingdings and Symbol at least, covering the whole 32-255 range, and let a project add or override mappings in its configuration.
4. Apply the font wherever text is drawn: fill-ins, browse cells, labels, buttons, combo-boxes, editors and printed output (PDF).
5. Measuring: text width and height in a symbol font must use the glyphs actually drawn, so column widths and FONT-TABLE:GET-TEXT-WIDTH results stay consistent.
6. Keep the character values unchanged in the 4GL: ASC of the displayed value and the screen value must still return 251 or 252.

Testcases

- A browse with a calculated column in a Wingdings font showing CHR(251) and CHR(252), compared with a Windows OpenEdge screenshot.
- Fill-in, label and button text in Wingdings and Symbol for the whole 32-255 range, compared with Windows OpenEdge.
- SCREEN-VALUE and ASC of the displayed value.
- The same screens printed to PDF.