Technical Corner

LONMARK Resource Files: 32 in 13, Installed

As we move into a New Year, we release the Version 13 of the LONMARK Resource Files. A great deal has happened since the publishing of Version 12: We have added 32 standard functional profile templates (SFPTs) to the files (see sidebar). This is a combination of brand-new profiles created in several industry Task Groups, and some old-time favorites that didn't quite make it into Version 12 during the arduous, manual process of converting from .PDF documents to the binary format of the .FPT file.

But deeper into interoperability lay the fundamentals that comprise the SFPTs: the underlying types for the network variables and configuration properties that make a profile 'a profile': the standard network variable types (SNVTs) and standard configuration property types (SCPTs). There are 35 added SNVTs and SCPTs in this latest version of the files (see sidebar). Of course additional enumerated types have been added as well.

So, how is an integrator or developer supposed to keep their systems updated? How do you know when you have the latest files, and how can you be certain you've updated all of them?

We've got that covered. LONMARK International has worked with Echelon Corporation to develop two new, simple installers for handling the task: one for integrators, supplying all of the needed files without the header files getting in the way; and one for developers, with the added header files for use with development tools. Both new installers include the API runtimes that are appropriate for the new files, and both allow you to upgrade over existing files, while ensuring you do not accidentally overwrite newer files with older ones. Should you need to install older files (for regression testing, for example), simply uninstall your latest version using the "Add or Remove Programs" control panel within your Windows® OS. Additionally, registry paths and appropriate directories are ensured with the new installers, taking the guesswork out of keeping your machines up-to-date; and no Internet connectivity is required – allowing you to update systems that have no connection to the Internet (after you obtain the installer, of course). And as always, no information is gathered from your computer or networks – allowing you to keep secure networks secure.

Look to the web to download the new free and publicly available installers: http://types.lonmark.org/LMRF

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New SFPTs
Air-Velocity Sensor (1083)
Audible Fire Indicator (11006)
Automatic Transfer Switch (13120)
Chilled Ceiling Controller (8070)
Clothes Washer, Domestic (15011)
Defrost Controller (10010)
Evaporator Controller (10011)
Fire/Smoke Damper Actuator (11001)
Frost Sensor (1042)
Generator Set (13110)
Lighting-Panel Controller (3401)
Linear Valve Actuator (8135)
Pressure Sensor (1030)
Pull-Station Fire Initiator (11005)
Railcar Audio Controller (9111)
Railcar Audio Sensor (9112)
Rain Sensor (1051)
Refrigeration Thermostat Controller (10012)
Roof Top-Unit Controller (8030)
Smoke (Conventional) Fire Initiator (11003)
Space-Comfort Control Command Module (8090)
Sunblind Actuator (6110)
Sunblind Controller (6111)
Thermal Fire Initiator (11004)
Thermostat (8060)
Unit-Ventilator Controller (8080)
Universal Fire Indicator (11011)
Universal Fire Initiator (11010)
Utility Data-Logger Register (2110)
Utility Meter (2201)
Valve Positioner for HVAC Applications (8131)
Visible Fire Indicator (11007)

New SNVTs
SNVT _ clothes _ w _ a (187)
SNVT _ clothes _ w _ c (184)
SNVT _ clothes _ w _ m (185)
SNVT _ clothes _ w _ s (186)
SNVT _ count _ 32 (183)
SNVT _ rac _ ctrl (181)
SNVT _ rac _ req (182)
SNVT _ sblnd _ state (180)
SNVT _ sec _ state (178)
SNVT _ sec _ status (179)

New SCPTs
SCPTactuatorCharacteristic (284)
SCPTahamApplianceModel (304)
SCPTclockCalibration (300)
SCPTcombFlowCharacteristic (287)
SCPTdefaultSetting (297)
SCPTdefaultState (295)
SCPThighLimit1Enable (302)
SCPThighLimit2Enable (303)
SCPTidentity (294)
SCPTlowLimit1Enable (298)
SCPTlowLimit2Enable (299)
SCPTneuronId (301)
SCPTnumDigits (293)
SCPTnvPriority (296)
SCPTpulseValue (292)
SCPTrunTimeAlarm (290)
SCPTtimePeriod (291)
SCPTtrnsTblX2 (285)
SCPTtrnsTblX3 (288)
SCPTtrnsTblY2 (286)
SCPTtrnsTblY3 (289)
SCPTvalveKvs (282)
SCPTvalveNominalSize (281)
SCPTvalveStroke (280)
SCPTvalveType (283)