

LONMARK[®] Resource Files ReadMe First

BETA Version 15.02, January 2017

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Introduction

Welcome to Version 15.02 LONMARK Resource Files for LONWORKS[®] software products and other software and devices compliant to the ISO/IEC 14908-1 Control Networking Protocol. These files contain all previously released standard network-variable types (SNVTs), standard configuration-property types (SCPTs), standard functional profiles (SFPTs), and standard enumeration definitions, plus new SNVTs, SCPTs, profiles, and enumerations, that were added since the version 15.00 release. It also contains all of the header files needed to use the new types. The last final release was 15.00.

NOTE: The BETA version 15.02 files require version 2.41 or newer of the LONMARK resource file API to read the new type and functional profile files. The version 2.41 API is installed by the Resource Files Installation Program 15.00 for Windows[®] OS platforms. If you have not installed version 15.00 please install them first (see [Installation](#) for details).

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New Features

Version 15.02 includes the following standard profiles (SFPTs) that have been added since the v15.00 release:

- SFPTsinglePhaseSubMeter
- SFPTactuateDrive
- SFPTactuateDriveFan
- SFPTactuateLight
- SFPTactuateSunshade
- SFPTactuateTemperatureSetpoint
- SFPTairQualityControl

- SFPTairQualityMeasurement
- SFPTairTemperatureSensor
- SFPTautomaticLightController
- SFPTautomaticSolarControl
- SFPTautomaticThermalControl
- SFPTautomaticTwilightControl
- SFPTconstantLightControl
- SFPTcontrolDriveActuator
- SFPTcontrolDriveActuatorFan
- SFPTcontrolRoomUtilisationTypes
- SFPTdaylightDependentLighting
- SFPTdewpointMonitoring
- SFPTenergyModeSelection
- SFPTenergyModeSelectionWithStartOpt
- SFPTfanControl
- SFPTfunctionSelection
- SFPTlightActuator
- SFPTlightControl
- SFPTmanipulatedValueLimiting
- SFPTnightTimeCooling
- SFPToccupancyEvaluator
- SFPToutdoorBrightnessMeasurement
- SFPTpartitionWallControl
- SFPTprecipitationDetection
- SFPTpresenceDetection
- SFPTpriorityControl
- SFPTroomBrightnessMeasurement
- SFPTroomSupplyAirTemperatureMC
- SFPTroomSupplyAirTemperatureSC
- SFPTselectRoomUtilisationType
- SFPTsequenceControl
- SFPTsetpointCalculation
- SFPTshadowCorrection
- SFPTsinglePhaseSubMeter
- SFPTsignalPresence
- SFPTslatTracking
- SFPTstairwellLightControl
- SFPTsunshadeActuator
- SFPTtemperatureControl
- SFPTtimeProgram
- SFPTtwilightControl
- SFPTvolumeFlowControl
- SFPTweatherProtection
- SFPTwindowMonitoring
- SFPTwindVelocityMeasurement

Version 15.02 includes the following standard configuration property types (SCPTs) that have been added since the v15.00 release:

- SCPTactuatorFeedbackDisplayMode
- SCPTairQualControlMode

- SCPTcompensation
- SCPTcontactType
- SCPTfanControl
- SCPTfanEnable
- SCPThumanEyeAdapt
- SCPTlearnEnable
- SCPTmaxSupplyAirTemp
- SCPTminMaxDrivePos
- SCPTminOut
- SCPTminSupplyAirTemp
- SCPToutRoomTempDiff
- SCPTpiCoefficients
- SCPTpositionSetting
- SCPTpositionSettingDeAct
- SCPTsensorCal
- SCPTsetPnts2
- SCPTsignalPresenceMode
- SCPTslatType
- SCPTstartEndDrivePos
- SCPTstartOptimize
- SCPTstepTime
- SCPTthermoSetting
- SCPTwindSpeedLimit

Version 15.02 includes the following standard network variable types (SNVTs) that have been added since the v15.00 release:

- SNVT_lux_2
- SNVT_temp_setpt_2

Version 15.02 includes the following enumerations that have been added since the v14.00 release and includes additions to previously existing enumerations, not shown here:

- contact_type_t
- fb_display_mode_t
- presence_mode_t

There is one set of standard resource files: This set contains the **standard.typ**, **standard.fpt**, **standard.enu**, **standard.eng**, and **standard.fmt** files. This set is for use with tools that are compatible with LONMARK resource files including Echelon Corporation's IzoT™ Commissioning Tool, IzoT Net Server, OpenLNS™ Server, OpenLNS Commissioning Tool, LNS® Server, LonMaker® Integration Tool, and LNS DDE Server. These files include standard functional profiles (SFPTs), standard network-variable types (SNVTs), standard configuration-property types (SCPTs), and standard enumeration types (appended with “_t”).

The **standard.fmt** format file conforms to the version 3 specification for format files. The version 3 specification added improved support for language localization.

Documentation

The version 15.02 files do not include any ISO 32000-1 Portable Document Format (PDF) files that detail the LONMARK standard types. The files are distributed with the 15.00 device resource files.

Installation

NOTE: The version 15.02 files require version 2.41 or newer of the LONMARK resource file API to read the new type and functional profile files. **The version 2.41 DRF API is installed by this Resource Files Installation Program 15.00 as part of the normal installation procedure.** The API is also available as ANSI C source files (read-only access) for porting to platforms other than Microsoft Windows.

WARNING: The **standard.fmt** format file conforms to the version 3 specification for format files. The version 3 specification added improved support for language localization. Some tools do not recognize the localized format extensions in version 3 format files such as **standard.fmt**. If you are using Echelon Corporation's IzoT Commissioning Tool, OpenLNS Commissioning Tool, or LonMaker 3 (or later) Integration Tool or other tool based on Echelon's IzoT Net Server, OpenLNS Server, or LNS Server 3 (or later), you should not have any problems using the version 3 **standard.fmt** file. If you are using a tool that does not support the version 3 specification for format files, you can convert version 3 files to version 2 using the **FMTconv.exe** Format-File Conversion Utility, available for free download from <http://www.lonmark.org/LMRF>. Files converted down to version 2 will not be up-convertible back to version 3 files.

Installation Procedure:

1. Download the ZIP File [LonMarkResourceFiles1502.ZIP](#) to your local drive and extract the files.
2. Identify the folder where the standard resource files are installed. Normally they are installed at C:\Program Files (x86)\LonWorks\Types
3. Backup your Types folder to an archive folder
4. Copy all 5 files (Standard.*) files to the ..\LonWorks\Types folder. You have to overwrite the existing files.
5. If you have modified any pre-existing standard format (**.fmt** extension) files, then backup/save your format files.
6. Upon completion of the installation, if you have any modified format files (**.fmt** extension) that you saved at the beginning of the installation, you can now manually merge your changes into the newly installed format files.
7. If you are an developer and need the definition file for the enumerations then take the header files *.H and copy then to your ..\LonWorks\NeuronC\Include folder.

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