



Software Updates for Internet of Things (SUIT) WG

Virtual Interim, Monday, February 26, 2018

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Note Well

This is a reminder of IETF policies in effect on various topics such as patents or code of conduct. It is only meant to point you in the right direction. Exceptions may apply. The IETF's patent policy and the definition of an IETF "contribution" and "participation" are set forth in BCP 79; please read it carefully.

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Definitive information is in the documents listed below and other IETF BCPs. For advice, please talk to WG chairs or ADs:

- BCP 9 (Internet Standards Process)
- BCP 25 (Working Group processes)
- BCP 25 (Anti-Harassment Procedures)
- BCP 54 (Code of Conduct)
- BCP 78 (Copyright)
- BCP 79 (Patents, Participation)
- <https://www.ietf.org/privacy-policy/> (Privacy Policy)



I E T F

Administrative Tasks

We need volunteers to be:

- **Two note takers**
- **One jabber scribe**

Etherpad: <https://etherpad.tools.ietf.org/p/suit-interim?useMonospaceFont=true>

Agenda

- **Agenda bashing, Logistics -- Chairs (5 min)**
- **WG status -- Chairs (5 min)**
- **ITU-T-SG-17-TSB Liaison Statement -- Chairs (10 min)**
- **Discussion of proposed work (90 min)**
 - draft-moran-suit-architecture-01
 - draft-moran-suit-manifest-01
 - draft-ietf-sacm-coswid-03
- **Wrap up and next steps -- Chairs (10 min)**

WG Status Report

Since the BoF at IETF 100:

- **The WG has been chartered**
- **Thank you to everyone that helped get this WG started**

Milestones

Date	Milestone
Jan 2018	Adopt "Architecture" document as WG item.
Mar 2018	Adopt initial manifest serialization format(s) as WG item(s).
Mar 2018	Calendar item: First interoperability event at IETF 101.
Mar 2018	Adopt a manifest information model as a WG item.
Jul 2018	Submit manifest information model to the IESG for publication as Informational.
Jul 2018	Calendar item: Second interoperability event at IETF 102.
Nov 2018	Submit an initial manifest serialization format to the IESG for publication as a Proposed Standard.

ITU-T-SG-17-TSB Liaison Statement

Liaison statement:

<https://datatracker.ietf.org/liaison/1558/>

- For Information, not for response or action
- ITU-T has a work item in this area (but it is not public)
 - ITU-T X.secup-iot: *Secure Software Update for IoT devices*
- Statement is to let us know status, not content
- But does give a brief list of what it covers:
 - Requirements, Architecture, and High-level update procedure sequence

ITU-T X.secup-iot Functional Entities

- 1) **“Device Core”**: stores/uses software/firmware, i.e., the core IoT device itself
- 2) **“Communicator”**: checks software/firmware status of device and initiates update as needed
 - May or may not be on the device itself
- 3) **“Status Tracker”**: tracks update status of devices under its administration
- 4) **“Firmware Server”**: distributes software/firmware packages to devices
 - May or may not be combined with Status Tracker

Discussion of proposed work

- **draft-moran-suit-architecture-01**
- **draft-moran-suit-manifest-01**
- **draft-ietf-sacm-coswid-03**

Moving Forward

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Open Discussion

Other points of interest?