Question(s):	1/17, 4/17	Geneva, 17-26 March 2020

Source:	OASIS Open Command and Control Technical Committee (OpenC2 TC)
Title:	LS on Open Command and Control (OpenC2) Future Standards

LIAISON STATEMENT

For action to:	ITU-T SG17
For comment to:	-
For information to:	-
Approval:	OASIS OpenC2 TC
Deadline:	Conclusion of 2017-2020 Study Period

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Please see the attached liaison statement and request, regarding three approved specifications and further planned work from the OASIS Open Command and Control Technical Committee (OpenC2 TC), to which the OpenC2 TC would like to call SG17's attention, for purposes of inclusion in SG17's work plan, and plans for eventual submission of the works to ITU-T.

Liaison Statement of OASIS to ITU-T SG17
Work Related to OASIS OpenC2 TC

February 26, 2020

OASIS respectfully advises ITU-T Study Group 17, and its Question 1 working party, that the OASIS Open Command and Control Technical Committee (OpenC2 TC) has approved the three cybersecurity specifications listed below, which it expects to advance further to OASIS Standard status over the next few years.   The charter of the OpenC2 TC is to develop cybersecurity command and control standards to allow implementation-agnostic interoperability.

On behalf of the OpenC2 TC, OASIS requests that ITU-T SG17 Q1/17 consider adding appropriate references to that body of work to the:
- ICT Security Standards Database (i.e. Part 2 of ICT Security Standards Roadmap),
- ITU-T Security Manual, and
- Security Compendium.

Particularly, the OpenC2 TC has approved the following three OASIS Committee Specifications:

- OpenC2 Language Specification v1.0 — The OpenC2 Language Specification provides the semantics for the essential elements of the language, the structure for commands and responses, and the schema that defines the proper syntax for the language elements that represents the command or response. OpenC2 Language Specification became a Committee Specification 11 July 2019.
- Open Command and Control (OpenC2) Profile for Stateless Packet Filtering v1.0 — OpenC2 Actuator Profiles specify the subset of the OpenC2 language relevant in the context of specific actuator functions. This actuator profile specifies the set of actions, targets, specifiers, and command arguments that integrates Stateless Packet Filtering functionality with the Open Command and Control (OpenC2) command set. OpenC2 Profile for Stateless Packet Filtering v1.0 became a Committee Specification 11 July 2019.
- Specification for Transfer of OpenC2 Messages via HTTPS v1.0 — OpenC2 transfer specifications utilize existing protocols and standards to implement OpenC2 in specific environments. This specification describes the use of HTTP over TLS as a transfer mechanism for OpenC2 messages. Specification for Transfer of OpenC2 Messages via HTTPS became a Committee Specification 11 July 2019.

Current versions of the specifications can be found at the links above.

The OpenC2 TC anticipates submitting these works to SG17 for its consideration and transposition as ITU-T Recommendations, once completed at OASIS, on the same submission, licensing and approval terms previously applied to the OASIS submissions of SAML, XACML and CAP.

In addition to the SLPF Actuator Profile Specification, other actuator profiles (e.g. endpoint, iptables, SDN controller, stateful packet filtering, and IDS) are being prepared for final approval as well. Similarly, in addition to the HTTPS Transfer Specification, specifications for other transfer mechanisms (e.g. pub/sub, OpenDxL, CoAP and MQTT) are being developed.

More information on OpenC2 TC activities can be found at
  https://www.oasis-open.org/committees/openc2.
All OASIS documents (including drafts, meeting reports, and approved specifications, standards, and reports) are freely available to review on the web. ITU members are encouraged to comment via the OASIS public comment mechanisms (if the organization is not a member of OASIS) or participate directly (if the organization is an OASIS member).

We look forward to establishing a collaborative relationship between the OASIS OpenC2 TC and ITU-T SG17 in order to further the development of cybersecurity standards, as well as for both bodies to reach broader constituencies.   On behalf of our technical committee and its experts, thank you for your consideration and this opportunity for further collaboration.

Information about OASIS generally can be found at:
  www.oasis-open.org

Respectfully submitted,
James Bryce Clark for OASIS

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