Technical Community Coordination: Generic Network Management

3GPP SA5 Liaison Statements

Magnus Buhrgard, Ericsson

3GPP TSG-SA5 Meeting #127
Sophia Antipolis, France 14-18 October 2019

S5-196792

Title:	LS on 3GPP – ONAP Cooperation & WoW
Source:	3GPP TSG SA WG5
To:	ONAP Community Coordinator for Generic Network Management Activities, Magnus Buhrgard
Cc:	3GPP TSG SA

ACTION:
1. SA5 kindly requests establishment of an individual to act as a liaison coordinator between 3GPP and ONAP
2. SA5 kindly requests ONAP to inform SA5 when a version of VES API specification is available.
3. SA5 kindly requests ONAP to consider establishing a permanent reference to the ONAP VES API specifications.

The ONAP answer was approved by TSC on 6th February and sent to 3GPP

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3GPP TSG-SA5 Meeting #130e
e-meeting 20-28 April 2020

Title:	Reply LS on liaison coordinator and VES API reference
Response to:	LS (S5-202030) on Technical Community Cooperation: Generic Network Management from ONAP
Release:	Rel-16 and later releases
Work Item:	Integration of ONAP and 3GPP 5G management framework
Source:	3GPP SA5
To:	ONAP Technical Community Coordinator – Generic Network Management (Magnus Buhrgard)
Cc:	-

1. Overall Description:

3GPP SA5 wishes to thank ONAP for the LS on Technical Community Cooperation: Generic Network Management and for appointing Magnus Buhrgard as ONAP Technical Community Coordinator – Generic Network Management.

SA5 also thanks ONAP for establishing a permanent reference to the ONAP VES API specifications and for the commitment to inform us when new versions of the ONAP VES API specifications are available. We believe that a pointer to the VES API reference information indicated in your LS is exactly what we need. Our next meeting is SA5#131e in May, which is also the last meeting before the Rel-16 freeze date, and we need the pointer from ONAP a few days before the deadline for submission to SA5#131e so that necessary Rel-16 CR(s) can be prepared to update this reference. The deadline for submission to SA5#131e is Friday the 15 May.

2. Actions:

To ONAP group.

ACTION: 3GPP SA5 kindly asks ONAP to take the above information into account and to provide us with a pointer to a permanent reference to the valid ONAP VES API version specification which we can use for referencing in our Rel-16 specifications, timely before the deadline for submission to SA5#131e as indicated above.

Information from Trevor Lovett (VNF Requirements PTL) :

Some alternate options:

1. Point 3GPP at the GitHub link instead: https://github.com/onap/vnfrqts-requirements/blob/frankfurt/docs/Chapter8/ves7_1spec.rst. This renders the content quite well, already has the Frankfurt branch created, and won't be impacted by the overall Frankfurt docs release timeline. **(my preference)**

2. 3GPP addresses the timing in their documentation. The content isn't changing, but the link will. They could list both links.

3. We're moving to more "stand-alone" builds of the docs. So the documentation is available here for just VNFRQTS: https://onap-doc.readthedocs.io/projects/onap-vnfrqts-requirements/en/latest/index.html. Perhaps this could be branched earlier than the other projects. I don't have any issue with that from my perspective since we have everything wrapped up for Frankfurt, but I don't know the technical implications to the doc project.

I think just using the Github link is probably the simplest and stable thing to do though.

Proposed ONAP response:

The VES Event Listener 7.1.1 specification for the ONAP Release Frankfurt (R6) is stored in GitHub. It will not change and the following pointer to it can be used as a permanent reference.

Service: VES Event Listener 7.1.1:

https://github.com/onap/vnfrqts-requirements/blob/frankfurt/docs/Chapter8/ves7_1spec.rst
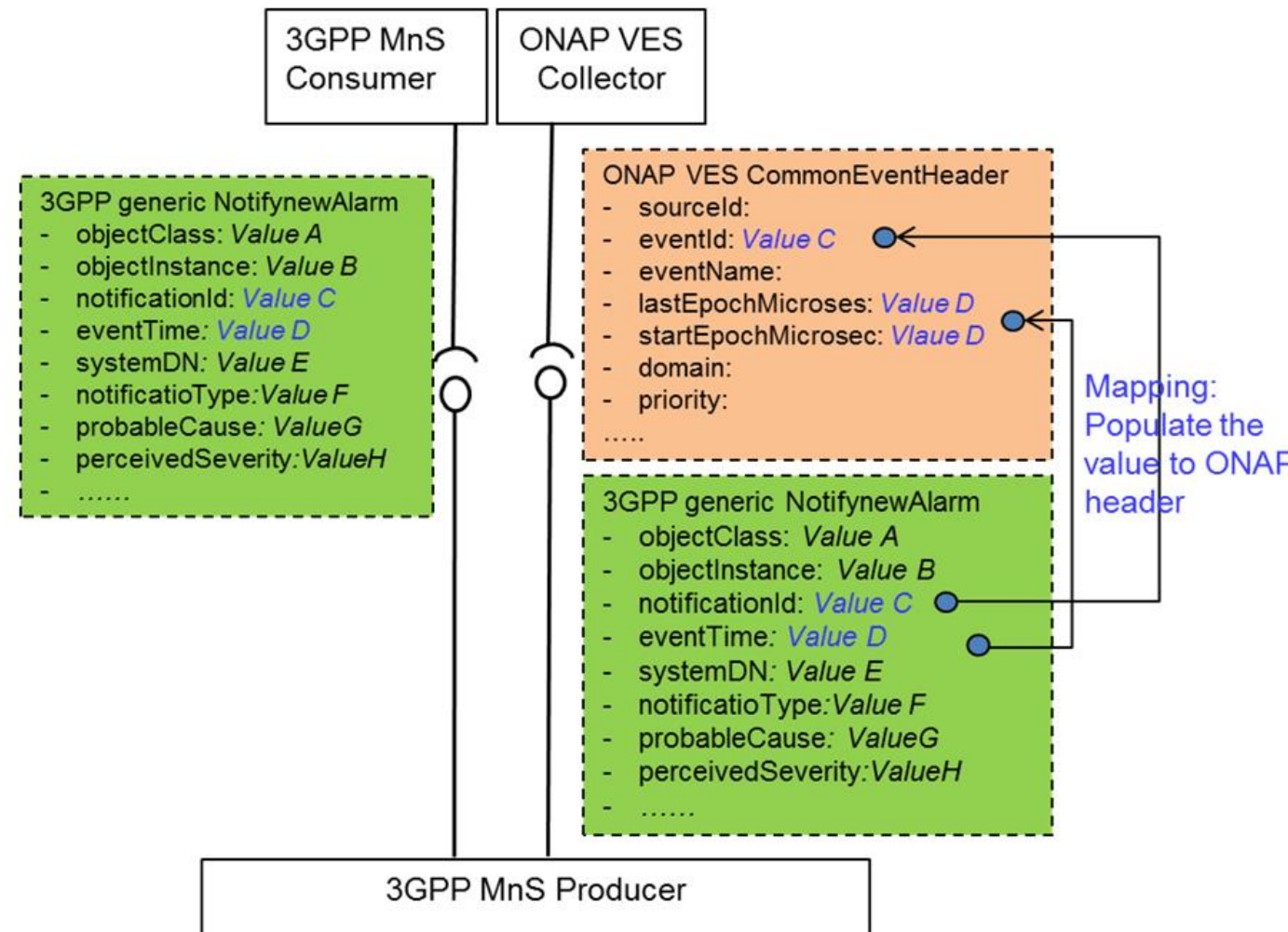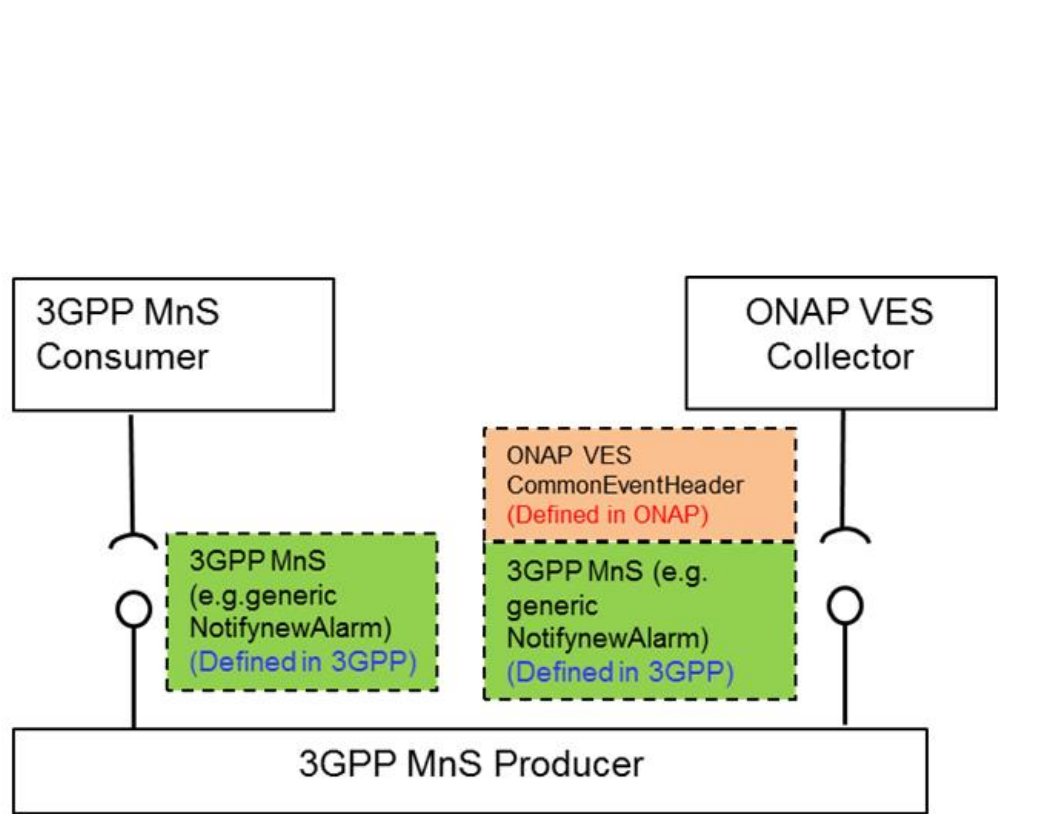

Additional information may have to be added to tie down so there is no doubt what version is being used.

3GPP TSG-SA5 Meeting #128
18-22 November 2019, Zhuhai, China

S5-197831

Title:	LS to ONAP on 3GPP MnS integration with VES
Response to:	-
Release:	Rel-16
Work Item:	Integration of ONAP and 3GPP 5G management framework
Source:	3GPP SA5
To:	ONAP DCAE Project, ETSI ISG ZSM
Cc:	Magnus.buhrgard@ericsson.com (ONAP SDO coordinator)

ONAP, 3GPP & O-RAN Alignment (Marge Hillis)

- 3GPP sent liaison statement (S5-197831) to ONAP/DCAE proposing a solution for VES :
  - notification format/schema remains in 3GPP.
  - ONAP/VES Header defined by ONAP
  - decouple the 3GPP payload from overall event format defined by ONAP/VES and allow more independent evolution.

- Working meetings to prepare a way forward have been ongoing throughout 1Q2020 between 3GPP delegates, O-RAN and ONAP delegates from AT&T, Ericsson, Nokia and Orange.

- Proposed Resolution agreed to by the delegates follows the liaison proposal:
  - two modifications to the VES Common Header (new domain for standards defined notifications and new field that supports the routing of these notifications to the appropriate DMaaP topic).
  - 3GPP will define and publish the valid contents for the new field

- 3GPP published an informative Annex B in 28.532 version 16.3. http://www.3gpp.org/ftp//Specs/archive/28_series/28.532/28532-g30.zip.

- ONAP modifications needed to support the proposed resolution are documented in ONAP 3GPP and O-RAN Alignment Use Case -- Introducing the capability to receive, validate and process standards defined notifications encapsulated in VES events in ONAP.

- Request 3GPP to update to normative the defined notification types that will be populated in the new VES field when the ONAP work is committed.

Proposed ONAP response:

- ONAP appreciates the interest from 3GPP SA5 on this subject and is thankful for the contributed information.

- A work group on *Harmonization: ONAP/3GPP & O-RAN alignment – Standards defined notifications over VES*, with wide participation, has taken the information provided by 3GPP into account and drilled deeper into the issue.

- A draft proposal has been created that introduces a generic capability to process events in DCAE defined by standards organizations such as 3GPP, IETF etc. (any organization that ONAP service provider recognizes as defining valid notifications that DCAE should consume). It also introduces the capability to do an optional second stage of validation on the event payload that can confirm that the event conforms to a valid data schema stored in the schema repository.

- The proposal has still to be further reviewed and approved in ONAP. It is part of a Harmonization Use Case for the ONAP Guilin Release (R7).

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