



INTERNATIONAL TELECOMMUNICATION UNION

**TELECOMMUNICATION
STANDARDIZATION SECTOR**

STUDY PERIOD 2017-2020

**SG13-TD371/WP2
STUDY GROUP 13**

Original: English

Question(s): 19/13

Victoria Falls, 4-14 March 2019

TD

Source: Rapporteur

Title: Meeting report of Q19/13 (Victoria Falls, 4 - 14 March 2019)

Purpose: Admin

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Keywords: Report, Q19/13

Abstract: This is report of Q19/13 meeting (Victoria Falls, 4 - 14 March 2019)

1 Opening of the meeting

Rapporteur of Question 19/13, Dr Emil Kowalczyk (Orange Polska) welcomed participants and provided agenda for meeting. The agenda were accepted and approved by Delegates.

2 Previous meeting

The report from the previous Q19/13 meeting hold at Geneva, 22 October – 2 November 2018 at [TD318-WP2](#) was recalled.

3 Goals of this meeting

The Rapporteur indicated goals of this meeting as follows:

- Progress on-going work items as follows:
 - draft Rec. “Big data – Overview and requirements for data preservation”
 - draft Rec. “Metadata framework for cloud service lifecycle management”
 - draft Rec. “Cloud computing maturity requirements and framework”
 - draft Rec. “Cloud Computing - End-to-end fault and performance management framework of inter-cloud virtual network services”
 - draft Rec. “Cloud computing – Requirements for cloud service development and operation management”
- Discuss new work items introduced by contributions

- Review the Q19/13 Roadmap and Q19/13 Living Lists
- Participate in joint sessions with other Questions as needed

4 Approval of the agenda

The agenda (posted as [\[TD-366/WP2 \]](#) was presented and approved by the meeting.

5 Discussion of input documents (including liaisons)

5.1 Y.BDDP-reqts

Base document: [\[TD 312-WP2/13 \]](#)

Number	Title	Source	Questions
[C-567]	Y.BDDP-reqts: Add a definition of data preservation in clause 3.2 <i>Accepted.</i>	Electronics and Telecommunications Research Institute (ETRI) (Korea (Rep. of))	Q19/13
[C-566]	Y.BDDP-reqts: Comments and a revised text for clause 6 <i>Accepted with modification.</i>	Electronics and Telecommunications Research Institute (ETRI) (Korea (Rep. of))	Q19/13

5.2 Y.cccsdaom-reqts

Base document: [\[TD 314-WP2/13 \]](#)

None.

5.3 Y.CCM-reqts

Base document: [\[TD 264-WP2/13 \]](#)

None.

5.4 Y.cslm-metadata

Base document: [\[TD 263-WP2/13 \]](#)

Number	Title	Source	Questions
[C-603]	Proposed to modify clause 7.1 of Y_cslm-metadata <i>Accepted with modification.</i>	China Information Communication Technologies Group	Q19/13
[C-619] (Rev.1)	Proposal for NaaS service operational policy framework in Y.cslm-metadata <i>Accepted with modification.</i>	China Unicom	Q19/13

5.5 Y.cce2efpm-req

Base document [\[TD 313-WP2/13 \]](#)

Number	Title	Source	Questions
[C-605]	Proposed to add a new sub-clause 6.1 into Y_e2efpm Accepted.	Datang Software Technologies CO., LTD.	Q19/13
[C-604]	Proposed to add some terms and abbreviations for Y_e2efpm Accepted with modification.	Datang Software Technologies CO., LTD.	Q19/13

5.6 New Work Item Proposals

None.

5.7 Other contributions related to cloud computing and big data

Document	Subject	Source	Questions
[C-662]	The proposal for establishing of the new SG13 Regional Group for Eastern Europe, Central Asia and Transcaucasia (SG13RG-EECAT) Accepted by SG13 Plenary opening. Not discussed at Question 19/13 level.	Russian Federation, Rostelecom	QALL/13

5.8 Incoming liaisons, others for Cloud/Big data for Q19/13

The following documents were reviewed and noted.

Document	Subject	Source	Questions	Preliminary decision
[322-GEN]	LS/i on Telecommunication Management and OAM Project Plan [from ITU-T SG2]	ITU-T SG2	Q23/13 , Q22/13 , Q2/13 , Q19/13 , Q18/13 , Q17/13	Noted.
[320-GEN]	LS/i on Initialization of new work item about Requirements for synergy management of cloud and SDN-based network [from ITU-T SG2]	ITU-T SG2	Q21/13 , Q2/13 , Q19/13	Complementary work to Q19/3 activities. Noted.
[314-GEN]	LS/i on Information Technology, Security Techniques, Security Controls and Services (topics 1-4-5 1090) [from ISO/IEC JTC1/SC27/WG4]	ISO/IEC JTC1/SC27 /WG4	Q7/13 , Q21/13 , Q2/13 , Q19/13 , Q18/13 , Q17/13 , Q16/13	Noted.

[313-GEN]	LS/i on SG17 new work item X.sr_cphr: Security requirements of cloud-based platform to support low latency and high reliability application scenarios [from ITU-T SG17]	ITU-T SG17	Q20/13 , Q19/13 , Q18/13 , Q17/13	As titled. Noted.
[305-GEN]	LS/i on New Recommendation Y.cvms, "Considerations for Realizing Virtual Measurement Systems" [from ITU-T SG12]	ITU-T SG12	Q6/13 , Q21/13 , Q2/13 , Q19/13 , Q17/13 , Q16/13	The reply liaison to SG12 should be provided to reflect common point of Q17/13, Q18/13 and Q19/13. Those cloud related questions recommend to utilise cloud-based ITU-T Recs. Y.35xx series.
[299-GEN]	LS/r on Telecommunication Management and OAM Project Plan (reply to SG2-LS73) [from ITU-T SG9]	ITU-T SG9	Q23/13 , Q22/13 , Q2/13 , Q19/13 , Q18/13 , Q17/13	Noted.

5.9 Incoming liaisons, others for all Questions

The following documents were reviewed and noted.

Document	Subject	Source	Questions	Preliminary decision
[256-GEN]	Report of the seventh meeting of the SG13 ad hoc group on "Guidelines for development of technical Recommendations", 19 and 23 July 2018	Co-convenors of the SG13 ad hoc group	ALL/13	Noted.
[254-GEN]	Proposal of extension of the ad-hoc group on guidelines and methodologies for developing technical Recommendations	Co-editors	ALL/13	Noted.
[253-GEN] (Rev.1-2)	Proposed fourth version of the draft on guidelines and methodologies for developing technical Recommendations	Co-editors	ALL/13	Noted.
[249-GEN]	LS/i on SCV activity in SG2 [from ITU-SG2]	ITU-SG2	ALL/13	Noted.
[248-GEN]	LS/i/r on matching of ITU-D SG1 and SG2 Questions of interest to ITU-T Study Groups (reply to ITU-D SG 2 - C102 -E) [from ITU SG2]	ITU-SG2	ALL/13	Noted.
[247-GEN]	Guide for new participants	TSB	ALL/13	Noted.
[246-GEN]	Newcomer information session material	SG13	ALL/13	Noted.

		Mentor		
[245-GEN]	Report on the 6th SG13 Regional Workshop for Africa, Abidjan, Côte d'Ivoire, 26 - 27 March 2018	Chairperson of the Workshop's Steering Committee	ALL/13	Noted.
[244-GEN]	ITU Kaleidoscope 2017 - Papers of interest to ITU-T Study Group 13	TSB	ALL/13	Noted.
[243-GEN]	Ls/i on updated FG DLT terminology and architecture deliverables (to ITU-T SGs 13, 16 and 17) [from FG DLT]	FG DLT	ALL/13	Noted.
[241-GEN]	LS/i on new terms and definitions in ITU-T SG20 work [from SCV]	SCV	ALL/13	Noted.
[240-GEN]	LS/i/r on the terms and definitions database (reply to SG9-LS47) [from SCV]	SCV	ALL/13	Noted.
[239-GEN]	LS/i/r on ITU inter-Sector coordination: ITU-R Working Parties 1A, 1B, and 1C versus ITU-T Questions (reply to TSAG - LS11) [from ITU-R Study Group 1]	ITU-R Study Group 1	ALL/13	Noted.
[237-GEN]	Report of the Big data activity in JTC 1/WG 9	Liaison Rapporteur	ALL/13	Noted.
[236-GEN]	Report of the 17th ISO/IEC JTC 1/SC 38 meeting (23 - 27 April 2018)	Liaison Rapporteur	ALL/13	Noted.
[233-GEN]	LS/i on progress report of the ITU-T FG-DPM and request to extend lifetime of the ITU-T FG-DPM (reply to FG-DPM-LS10) [from ITU-T SG20]	ITU-T SG20	ALL/13	Noted.
[231-GEN]	LS/i on matching of ITU-D SG1 and SG2 Questions of interest to ITU-T Study Groups [from ITU-D SG2]	ITU-D SG2]	ALL/13	Noted.
[229-GEN]	Outgoing correspondence from SG13 after November 2017 meeting	TSB	ALL/13	Noted.
[228-GEN]	ITU Kaleidoscope academic conference 2018 "Machine learning for a 5G future"	Director, TSB	QALL/13	Noted. Call for paper, deadline 4 June 2019.
[317-GEN]	Agenda of the tenth meeting of the SG13 ad hoc group on "Guidelines for development of technical Recommendations", Wednesday 6 March, 13:30-14:30 and Monday 11 March 2019, 13:30-14:30 (Victoria Falls, 4-14 March 2019)	Co-convenors of the SG13 ad hoc group	QALL/13	Noted.
[315-GEN]	Request of JCA-MMeS for information about issues for coordination	SG13 Chairman	QALL/13	Noted.
[311-GEN]	LS/i on draft deliverables of ITU-T Focus Group on Data Processing and Management to support IoT and Smart Cities & Communities (from FG-DPM)	FG-DPM	QALL/13	Noted.
[309-GEN]	Ls/i on updated FG DLT terminology deliverable (from FG DLT)	FG DLT	QALL/13	Noted.

[308-GEN]	LS/r on updated FG DLT terms and definitions deliverable (from FG-DPM)	FG-DPM	QALL/13	Noted.
[307-GEN]	ITU Kaleidoscope 2018 - Papers of interest to ITU-T Study Group 13	TSB	QALL/13	Noted.
[304-GEN]	LS/i on OTNT Standardization Work Plan [from ITU-T SG15]	ITU-T SG15	QALL/13	Noted.
[303-GEN]	LS/i on Coordination with the other sectors [from TDAG]	TDAG	QALL/13	Noted.
[302-GEN]	LS/i on Responsibility for the Y.1550-series (WTS Resolution 2, Annex C) [from ITU-T SG12]	ITU-T SG12	QALL/13	Noted.
[301-GEN]	LS/r on matching of ITU-D SG1 and SG2 Questions of interest to ITU-T Study Groups (ITU-D SG 2-C102) [from ITU-T SG 9]	ITU-T SG 9	QALL/13	Noted.
[300-GEN]	LS/r on hot topics (reply to TSAG-LS10) [ITU-T SG9]	ITU-T SG9	QALL/13	Noted.
[298-GEN]	LS/r on the new version of the Home Network Transport (HNT) Standards Overview and Work Plan (reply to SG15-LS141) [from ITU-T SG9]	ITU-T SG9	QALL/13	Noted.
[297-GEN]	LS/r on ITU inter-Sector coordination (reply to TSAG-LS11) [from ITU-T SG9]	ITU-T SG9	QALL/13	Noted.
[296-GEN]	LS/i/r on updated reference table of ITU-T Recommendations to be used for conformity and interoperability testing (reply to SG11-LS63) [from ITU-T SG9]	ITU-T SG9	QALL/13	Noted.
[295-GEN]	LS/i on the amendment of Q9/9 ToR (from ITU-T SG9)	ITU-T SG9	QALL/13	Noted.
[294-GEN]	LS/i on AAP consent of draft new Recommendation ITU-T J.1 (ex. J.tda) "Terms, definitions and acronyms for television and sound transmission and integrated broadband cable networks" [from ITU-T SG9]	ITU-T SG9	QALL/13	Noted.
[293-GEN]	LS/i/r on matching of ITU-D SG1 and SG2 Questions of interest to ITU-T Study Groups for inter-sectoral coordination purposes [from ITU-D Study Group 1 and 2]	ITU-D Study Group 1 and 2	QALL/13	Noted.
[290-GEN]	Report of the ninth meeting of the SG13 ad hoc group on "Guidelines for development of technical Recommendations" (Geneva, 24 October 2018)	Co-convenors of the SG13 ad hoc group	QALL/13	Noted.
[289-GEN]	Output of the ad-hoc group meeting on drafting guidelines and methodologies for developing technical Recommendations (Geneva, Wednesday 24 October 2018)	Co-editors of the SG13 ad hoc group	QALL/13	Noted.

6 Review the Work Program

The work program of Q19/13 was reviewed and updated according to Rec. ITU-T Y.3517 (formerly Y.CCICTM) and ITU-T Y.3518 (formerly Y.CCICDM-Req) which were Consented in Nov'2018 . The current work program for Q19/13 can be found in Annex A.

7 Review Roadmap for Q19/13

The roadmap of Q19/13 was reviewed without any modification. The current roadmap for Q19/13 can be found in [[SG13-TD316-WP2](#)]

8 Review Living Lists

The Living list for Q19/13 was reviewed without any modification. The current Living List for Q19/13 can be found in [[SG13-TD239-WP2](#)]

9 Contributions for other Questions

None identified.

10 Drafting

10.1 Draft Rec. Y.BDDP-reqts

This draft Rec. was updated by adding new term for “data preservation” in clause 3.2. and general revise body text to improve quality of this Rec. There is suspected to provide new skeleton of this draft Rec., based on skeleton Rec. ITU-T Y.3602 to harmonize style of this draft Rec. with others among big data environment develops in Q17/13.

10.2 Draft Rec. Y.ccsdaom-reqts

This draft Rec. was no evoked by contributions. The Rapporteur pointed out this situation as second time. According to Question 19/13 internal roles, the draft Recs, which is not evoked during 3 following meeting, will be plan to cancel.

10.3 Draft Rec. Y.CCM-req

This draft Rec. was no evoked by contributions. The Rapporteur pointed out this situation as first time. According to Question 19/13 internal roles, the draft Recs, which is not evoked during 3 following meeting, will be plan to cancel.

10.4 Draft Rec. Y.cslm-metadata

This draft Rec. was updated by providing new insights on metadata in Naas service. The description of service catalogue functional components as well as service capabilities (NaaS) functional component was updated, accordingly. New figure on illustration of metadata positions was proposed and accepted. Finally, the new clause on NaaS service operational policy framework was added.

10.5 Draft Rec. Y.e2efapm

This draft Rec. was editorial updated by adding new referred documents into clause 2, terms defined elsewhere in clause 3.1., adding new abbreviations into clause 4 and updated Bibliography. Additional to this, new sub-clause “6.4 Stack of terminology related with VNS” with relevant material was proposed. It was agreed that, the stack of terminology related to VNS has to be provided when aspects of Network Function Virtualisation Infrastructure as a Service (NFVIaaS), VNF as a Service (VNFaaS) and Virtual Network Services will be clearly determined.

11 IPR statement

No IPR statement was received during the meeting.

12 Approval of Outgoing Liaisons, if any

The Question 19/13 meeting approved the following Liaisons outgoing documents (LS/o):

SG13-TD372-WP2	LS/o/r on new work item X.sr_cphr: Security requirements of cloud-based platform to support low latency and high reliability application scenarios [reply to SG17-LS187]
SG13-TD373-WP2	LS/o/r on Initialization of new work item about Requirements for synergy management of cloud and SDN-based network [reply to SG2-LS84]

13 Review and approval of meeting outputs

The Q19/13 meeting approved the following output documents (TDs):

SG13-TD368-WP2	Y.BDDP-reqts: output draft Rec. "Big data – Overview and requirements for data preservation "
SG13-TD369-WP2	Y.e2efapm: output draft Rec. “Cloud Computing - End-to-end fault and performance management framework of inter-cloud virtual network services”
SG13-TD370-WP2	Y.cslm-metadata: output draft Rec. "Metadata framework for cloud service lifecycle management"
SG13-TD371-WP2	Meeting report of Q19/13 (Victoria Falls, 4 - 14 March 2019)

14 Future Plan/Meetings

- 1) The Question 19/13 agreed to ask for interim e-meeting on **29 – 30 April 2019**, which will start from **9:00AM – 12:00AM (Geneva Time)** for each day (**4 hours**). The main objective is to prepare draft Rec. Y.cslm-metadata for Consent process planned for 2Q2019. Therefore, the contributions propose technical material to clarify all potential doubts are welcome on first priority. Contributions should be provided before **due date: 24th April 2019 (23:59 Geneva Time)** directly to Rapporteur of Question 19/13 by email to Emil.Kowalczyk@orange.com . Remote participation facilities will be provided by TSB, details about this will be announced by Rapporteur of Question 19/13.

- 2) The Q19/13 will meet in time of co-located rapporteur group meetings, **17 - 28 June 2019, Genève, Switzerland**. Main objectives for this meeting include:
 - Progress on Q19/13 work items:
 - o draft Rec. “Big data – Overview and requirements for data preservation”
 - o draft Rec. “Metadata framework for cloud service lifecycle management”
 - o draft Rec. “Cloud computing maturity requirements and framework”
 - o draft Rec. “Cloud Computing - End-to-end fault and performance management framework of inter-cloud virtual network services”
 - o draft Rec. “Cloud computing – Requirements for cloud service development and operation management”
 - Discuss any new work items proposals
- 3) The follows Question 19/13 meeting is planned during the SG13 Plenary meeting, **14 - 25 October 2019**.
- 4) The next follows Question 19/13 meeting is planned in 2020.

15 Other Business/Miscellaneous

15.1 Joint session of Questions 17/13, Question 18/13 and Question 19/13 on term of reference for new study period

In time of this RGM SG13, the Question 17/13, Question 18/13 and Question 19/13 continued common discussion on future direction and term of references for these Questions in next study period. Based on meeting discussion several comments collected during discussion. It was agreed to continue activities on cloud computing and big data. Apart of these activities, the Q17/13, Q18/13 and Q19/13 agreed to consider new computing technologies connected to cloud and big data like quantum computing, data-centric computing, machine learning. There was pointed out that connection with open-source community are necessary to provide common view on schema and API. Contributions addressed to given Question, are invited to specify future scope of work, technologies proposed for consideration as well as modification ToR of particular Question. Joint session was placed on 8th March 2019, session S1.

Question 19/13 would like to kindly appreciate Question 17/13 and Question 18/13 for their effort and fruitful discussion during this session. For more details on this session refer to Report of Question 17/13 under [[TD385/WP2](#)].

16 Review and approval of the meeting report

The Q19/13 reviewed and approved this meeting report.

17 Closing of the meeting

Rapporteur Q19/13, Dr. Emil Kowalczyk showed his thanks and appreciations for all the participants who had devoted so much on the work of Q19/13 and expressed his wishes to meet again during co-located rapporteur group meetings, **17 - 28 June 2019, Genève, Switzerland**.

Annex A – Q19/13 Work Program

Rec.	Q	Short Title	Status	Approval process	Priority	Target for Consent / Determination / Approval	Revised / New Text Location	Editors	Liaisons
Y.BDDP-reqts	19/13	Big data – Overview and requirements for data preservation	N	AAP	H	Q4 2019		Yan Lei Datang Software, Ying Cheng, China Unicom	
Y.cslm-metadata	19/13	Metadata framework for cloud service lifecycle management	N	AAP	M	Q2 2019		Ying Cheng, China Unicom, Yan Lei Datang Software	
Y.ccm-reqts	19/13	Cloud computing maturity requirements and framework	N	AAP	M	Q4 2019		Tingting Zhang, China Mobile, Zhiqiang Hou, China Mobile, Ying Cheng, China Unicom,	
Y.cccsdaom-req	19/13	Cloud computing – Requirements for cloud service development and operation management	N	AAP	M	Q3 2020		XiaoLing Niu, MIT Ying Cheng, China Unicom Tingting Zhang, China Mobile,	
Y.e2efapm	19/13	Cloud Computing - End-to-end fault and performance management framework of inter-cloud virtual network services	N	AAP	M	Q3 2020		Sridhar Sapparapu, TEC DOT Yan Lei, Datang Software	

Legend: H – high; M – medium; L – low; N - new; R - revised, D – deleted

