3GPP TSG-SA Meeting #22   **SP-030716**

15th - 18th December. Maui, Hawaii.

Source:	NEC
Title:	Update of 3GPP IETF Dependency table
Agenda item:	7.8
Document for:	Approval

1. Introduction

At the last SA5#36 meeting, initial discussion on IETF dependency for IP flow based charging was discussed, but it was failed to propose the update of 3GPP IETF dependency table currently listed on 3GPP server. This contribution proposes the update of the 3GPP IETF Dependency Table in order to make sure for 3GPP IP flow based charging specifications being aligned with IPFIX WG related works.

2. Discussion

IPFIX (IP Flow Information Export) is an IETF working group chartered to "standardize common practice" about IP flow measurement and export (http://www.ietf.org/html.charters/ipfix-charter.html). This means that the adaptation of currently existing proprietary solutions is preferred to the development of completely new ones.

Also, IPFIX should reuse existing protocols wherever possible (instead of developing new ones) for specific tasks it has to perform (e.g. for encryption, congestion control of the export rate, etc.). The goal is to standardize something that is simple and cost effective enough to get industry acceptance. Note that an architecture and associated MIB and protocols for flow monitoring (RTFM), was already defined and standardized some years ago but it failed exactly in this purpose of becoming a widely deployed industry standard.

The table below is the proposed update of 3GPP IETF Dependencies and Priorities

3. Proposal

It is proposed to add the table below into 3GPP IETF Dependency table on 3GPP server.

0	#	Title	Link	Risk	How definite?	3GPP Priority	3GPP Need	Consequences if not done	3GPP WG	3GPP Release	IETF WG	IETF Status	IESG approval	RFC Ready
	1	Requirements for IP Flow Information Export	http://www.ietf.org/internet-drafts/draft-ietf-ipfix-reqs-12.txt	Low	Definite	Desirable - (needs stability, but not necessarily RFC status)	IP flow based charging	Insufficient IP flow based charging	SA2, SA5	Rel 6	IPFIX	RFC not needed IESG evaluation	Dec03?	No date
	2	IPFIX Applicability	http://www.ietf.org/internet-drafts/draft-ietf-ipfix-as-01.txt	Low	Possible	Desirable - (needs stability, but not necessarily RFC status)	IP flow based charging	Insufficient IP flow based charging	SA2, SA5	Rel 6	IPFIX	RFC not needed In progress	May04?	No date

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3		Architecture Model for IP Flow Information Export	http://www.ietf.org/internet-drafts/draft-ietf-ipfix-arch-02.txt	High	Definite	Critical	IP flow based charging	IP flow based charging not available	SA2, SA5	Rel 6	IPFIX	In progress	May04?	No date
4		Evaluation of Candidate Protocols for IP Flow Information Export (IPFIX)	http://www.ietf.org/internet-drafts/draft-leinen-ipfix-eval-contrib-01.txt	Low	Possible	Desirable - (needs stability, but not necessarily RFC status)	IP flow based charging	IP flow based charging not available	SA2, SA5	Rel 6	IPFIX	RFC not needed Publication requested	Dec03?	No date
5		Information Model for IP Flow Information Export	http://www.ietf.org/internet-drafts/draft-ietf-ipfix-info-01.txt	High	Definite	Critical	IP flow based charging	IP flow based charging not available	SA2, SA5	Rel 6	IPFIX	In progress	May04?	No date
6		IPFIX Protocol Specifications	http://www.ietf.org/internet-drafts/draft-ietf-ipfix-protocol-01.txt	High	Definite	Critical	IP flow based charging	IP flow based charging not available	SA2, SA5	Rel 6	IPFIX	In progress	May04?	No date