Source: **TSG SA WG2**
Title: **Proposed Work Item for Release 6: Dynamic Policy control enhancements
                    for end-to-end QoS**
Agenda Item: **7.2.3**

Work Item Description

Title: **Dynamic Policy control enhancements for end-to-end QoS**

1   3GPP Work Area

	Radio Access
X	Core Network
X	Services

2   Linked work items

No rel6 linked work item identified so far.

3   Justification

The service-based local policy control provides a way to manage the access network through dynamic policies over the Go interface.

The release 5 IMS work uses a policy control function (PCF) that is only applicable for IMS and tightly linked to the SIP session control. This does not enable a generic service policy to be applied to both IMS and non-IMS services.

Within Release 5 the PCF is shown as being a logical entity of the P-CSCF. This was agreed upon because some companies felt defining another standardized interface was not possible in release 5 for time-constraints. It was agreed that any consideration of standardising the interface between the PCF and application proxies (e.g. P-CSCF in the IM domain) would be pushed back to release 6.

Thus, the purpose of this work item is to start a feasibility study towards standardising the interface between the PCF and application proxies (e.g. P-CSCF in the IM domain).

This work item will study and investigate how the policy control used in for IMS can interact with the appropriate IMS and non-IMS application servers.

4   Objective

The objective of this work item is to investigate on the feasibility of the interface between the PCF and application proxies (e.g. P-CSCF in the IM domain):

- Enable general policy control over IP bearer resources and SIP services to evolve separately.
- Enable more flexibility in engineering and policy control of IP bearer resources.
- De-couple policy functions from IMS entities.

The feasibility study will determine the requirements and concepts involved in this work.

5   Service Aspects
Yes

6   MMI-Aspects
No

7   Charging Aspects
No

8   Security Aspects
Yes

9   Impacts

Affects:	USIM	ME	AN	CN	Others
Yes				X	
No	X	X	X		
Don't know					

10   Expected Output and Time scale (to be updated at each plenary)

New specifications						
Spec No.	Title	Prime rsp. WG	2ndary rsp. WG(s)	Presented for information at plenary#	Approved at plenary#	Comments
TR 23. XYZ	Technical Report on Dynamic Policy Control Enhancements for End-to-End QoS	SA2				
Affected existing specifications						
Spec No.	CR	Subject		Approved at plenary#		Comments

Existing SA2 specifications dealing with end-to-end QoS, general architecture and IMS, may be impacted.

CN3 Policy control specification work may be impacted. A new interface specification may need to be created.

11   Work item raporteurs

To be Determined

12   Work item leadership

SA2

13   Supporting Companies

Nortel Networks, AWS, BT, France Telecom, Hutchison 3G

14   Classification of the WI (if known)

	Feature (go to 14a)
X	Building Block (go to 14b)
	Work Task (go to 14c)

14a   The WI is a Feature: List of building blocks under this feature

14b   The WI is a Building Block: parent Feature
QoS improvements (to be created)

14c   The WI is a Work Task: parent Building Block