Source: **TSG SA WG2 (S2-032167)**
Title: **WID for Gq interface specification for Dynamic Policy control enhancements**
Agenda Item: **7.2.3**

Work Item Description

Title: **Gq interface specification for Dynamic Policy control enhancements – stage-2**

1   3GPP Work Area

	Radio Access
X	Core Network
X	Services

2   Linked work items

32021	IMS Phase 2	SA1	TBD		TBD

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 decision function (PDF) 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 PDF 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 PDF and application entities (e.g. P-CSCF in the IM domain) would be pushed back to release 6.

The feasibility of this interface was studied within the scope of TR 23.917. The purpose of this work item is to generate the necessary CRs introducing this interface to the relevant stage-2 specifications based on the results of TR 23.917.

4   Objective

The objective of this work item is to generate the necessary CRs introducing an interface between the PDF and application entities to the relevant stage-2 specifications based on the results of TR 23.917:

- 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.

5   Service Aspects
Yes

6   MMI-Aspects
No

7   Charging Aspects
Yes

8   Security Aspects
Yes

9   Impacts

Affects:	UICC	UE	AN	CN	Others
Yes				X	
No	X		X		
Don't know		X			

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

Affected existing specifications				
Spec No.	CR	Subject	Approved at plenary#	Comments
TS 23.207		Introducing Gq interface and related functions	SA#22 (12/03)	

11   Work item raporteurs

Janne Rinne (Nokia)

12   Work item leadership

SA2

13   Supporting Companies

Nokia, Nortel Networks, AWS, Cisco, Orange France

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

       32016 QoS Improvements

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