

Title: Liaison statement on Subscribed Media
Source: TSG CN
To: TSG SA
Cc:

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Work Item: IMS-CCR
Agenda item:
Document for: INFORMATION

Contact Persons:

Name: Francois Dronne
Company: Orange
Tel. Number: +33 1 45 29 62 74
E-mail Address: francois.dronne@francetelecom.com

Attachments: None

1. Overall Description:

The SDP control done at S-CSCF level, as it stands in the 24.229, is referring both to policy control and users subscription. But at this stage, no further work has been handled in CN4 on subscribed media (i.e. users subscription), as clear requirement is still needed from SA regarding the parameters which can be part of subscription.

A discussion took place in TSG CN on this aspect and here are the main output of the discussion:

1. Regarding SDP control, the proposal is to use the 488 (Not Acceptable Here) response when receiving an Invite with not acceptable SDP parameters. This solution allows to have the same level of control regarding SDP parameters for local policy and users subscription, namely Media Types, Codecs, etc.
2. TSG CN do see that there is an interest of having the possibility to define subscriber profiles (Golden, Silver, Basic...) in order to offer different level of IMS service for the user. In this perspective CN identified the following SDP parameters as potentially useful:
 - **Media Type:** allows to identify the different services (audio, video and text) although all three will probably be part of each profile.
 - **Bandwidth:** correlated with the media type, it would allow the operator to define several rates depending on the media used (e.g. higher rate for video than for text).
 - **Codec:** this information is the most accurate information which could give an indication of the application requested by the subscriber.
Furthermore, having it would allow the operator to dedicate premium codecs to Gold Subscribers. An example of the codec control could be to allow the use of AMR WB for Gold Subscribers, where Basic Subscribers would only authorised to use AMR.
 - Other SDP parameters could also be used for other purposes, like the Direction Tag parameter.

Some concerns have been raised about the fact that having codecs in the users subscription would require heavy O&M activity when new codecs are deployed (i.e. update all the users subscription). A solution could be to define profiles which would refer to a set of SDP parameters. So when new codecs are deployed, there is no need to change the users subscriptions but only the content of the profiles the users subscriptions are referring to.

TSG CN would like to emphasize that the above description is only for information and that it is up to SA to define the requirements and up to CN4 to specify the implementation.

Nevertheless, this feature is seen by operators as very important as it could be a major tool to differentiate their offers.

2. Actions To TSG SA:

TSG CN plenary kindly ask TSG SA to set the needed requirements on Subscribed Media and to inform CN4 about it.

3. Date of Next TSG-CN4 Meeting:

CN4#18 10th – 14th February 2003 Dublin Ireland