

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

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Agenda item:
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Attachments: None

1. Overall Description:

The SDP control at the S-CSCF level, as it stands in 24.229, refers to both policy control and users subscription. However at this stage, work in CN4 on subscribed media (i.e. users subscription) is not complete, because a clear requirement is still needed from SA regarding the parameters which can be part of the subscription.

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

1. Regarding SDP control, the proposal is to use the 488 (Not Acceptable Here) response when receiving an Invite with unacceptable SDP parameters. This solution allows the same level of control regarding SDP parameters for local policy and user's subscription, namely Media Types, Codecs, etc.

2. TSG CN see that there is an interest in having the possibility to define subscriber profiles (Golden, Silver, Basic...) in order to offer different level of IMS service for the user. Discussion in CN centred on the following SDP parameters:

- **Media Type:** allows identification of 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, including the codec 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, whereas Basic Subscribers would only authorised to use AMR.

Other SDP parameters, such as the Direction Tag parameter, could also be used for other purposes.

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 users' subscription data). 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 to which the users' subscriptions refer.

TSG CN would like to emphasise 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 of their decision.

3. Date of Next TSG-CN4 Meeting:

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