

Diameter Group Signaling – Progress towards a suitable Solution

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Scope of the solution document

Specify the following components:

- **Format** of bulk/group signaling message(s)
- **Grouping** of users and associated attribute-value pairs
- **Mechanisms and Operation** for bulk operations

Opt for..

- Description of use cases coming along with the specification document

Format of commands

- Analysis of different practices done since IETF81
 - Dedicated new bulk operation command for selected existing commands
 - Generic and new bulk operation command
 - Use existing messages, indicate bulk operation within the message
- Practices assessed according to..
 - Ease of implementation and deployment
 - Flexibility
 - Extensibility

Grouping of users and context

- Representation of groups
 - Static
 - Dynamic
- Role of per-user IDs
 - Session-ID
- Identification of groups
 - Group ID
 - List of Session IDs
- Encoding of options to include group and context information into bulk commands

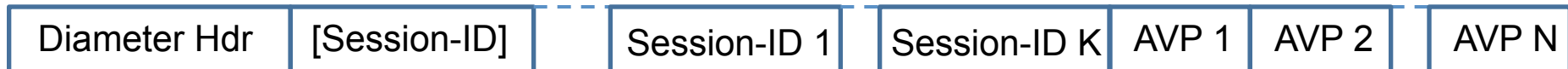
Grouping APVs for bulk signaling

(in the order of efficiency and example for discussion)

- **Group-ID** identifies multiple users, list of attributes/values applies to all users of the group



- **List of Session-IDs** identifies a group of users, list of attributes/values applies to all users of the group



- **List of Session-IDs** identifies multiple users, each Session-ID has an **individual list of AVPs** associated



Next Steps

- Formulate and agree on charter text
- Agree on milestones
 - Single document considered sufficient
- Converge on solution and move towards WG document