6.6. OC-Report-Type AVP

The OC-Report-Type AVP (AVP code TBD5) is type of Enumerated. The

value of the AVP describes the Diameter entity or entities the overload report concerns to. The

following values are initially defined:

0 A host report.

It identifies that the OC-OLR AVP concerns to:

- a Diameter host identified by the Origin-Host AVP received in the Diameter answer the OC-OLR AVP is included.

- a Diameter realm identified by the Origin-Realm AVP received in the Diameter answer the OC-OLR AVP is included.

- a Diameter application identified by the Application-ID of the Diameter

Header received in the Diameter answer the OC-OLR AVP is included.

1 A realm report.

It identifies that the OC-OLR AVP concerns to:

- a Diameter realm identified by the Origin-Realm AVP received in the Diameter answer the OC-OLR AVP is included.

- a Diameter application identified by the Application-ID of the Diameter

Header received in the Diameter answer the OC-OLR AVP is included.

The reacting node shall evaluate for each request whether or not an overload treatment should be applied, identifying whether any reacting OCS is applicable, as follows:

- It checks if the Destination-Host AVP is present in the request.

- If the Destination-Host AVP is present:

- it checks if its value matches the value of a Destination-Host in any host-type OCS.

- if matched, it checks if the Application-ID in the Diameter Header of the

request matches the value of the Application-ID for this OCS, if so, the applicable host-type OCS is identified.

- If the Destination-Host AVP is absent:

- it checks if the value of peer identity associated with the connection to be used to send the request (according to internal Diameter routing tables) matches the value of a Destination-Host in any host-type OCS, if so, the applicable host-type OCS is identified.

- if not matched, it checks if the Destination-Realm AVP in the request matches the

value of a Destination-Realm in any realm-type OCS.

- if matched, it checks if the Application-ID in the Diameter Header of the

request matches the value of the Application-ID for this OCS, if so, the applicable realm-type OCS is identified.

Editor’s note: this text considers the assumption that a Diameter host only provides service to one single realm. If this assumption is not acceptable, this text should include identification of the applicable Diameter realm.