

**OCF “Essen” – Resource Reference shall be unique – Core Technology WG CR 2791**

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27 \*\*\*\*\* **Paste the Change Request content here** \*\*\*\*\*

28 <OCF Bridging Specification>

29 **5.5 Resource discovery**

30 A Bridge Platform shall detect devices that arrive and leave the Bridged network or the OCF network.  
31 Where there is no pre-existing mechanism to reliably detect the arrival and departure of devices on a  
32 network, an Bridge Platform shall periodically poll the network to detect arrival and departure of  
33 devices, for example using COAP multicast discovery (a multicast RETRIEVE of "/oic/res") in the case  
34 of the OCF network. Bridge Platform implementations are encouraged to use a poll interval of 30  
35 seconds plus or minus a random delay of a few seconds.

36 A Bridge and any exposed OCF Virtual Devices shall each respond to network discovery commands.  
37 The response to a RETRIEVE on "/oic/res" shall only include the devices that match the RETRIEVE  
38 request.

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