

# **Netconf for UMT**

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### **Network Configuration Protocol (NETCONF)**

- The Network Configuration Protocol (NETCONF) provides mechanisms to install, manipulate, and delete the configuration of network devices.
- Extensible Markup Language (XML)-based data encoding for the configuration data as well as the protocol messages.

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	Layer	Example	
(4)		Configuration     data	Notification     data
	l	++ I	++
3)	Operations   	<edit-config>      </edit-config>	
	I	++ I	
(2)	Messages   	<rpc>,     <rpc-reply>  </rpc-reply></rpc>	<notification>    </notification>
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1)	Secure     Transport	SSH, TLS, BEEP/TLS,	SOAP/HTTP/TLS,

Figure 1: NETCONF Protocol Layers

(1) The Secure Transport layer provides a communication path between the client and server. NETCONF can be layered over any transport protocol that provides a set of basic requirements.

# SNMP maybe upgrade to Netconf for some new deployment

- FTTdP project in BBF used Netconf for DPU management
- MEF also consider Netconf as management protocol
- So, for CPE management, it also possible to use Netconf



## Proposal

• Suggest to add Netconf as payload of UMT.

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# Thanks!

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