





П	U-T Test Specifications
Ì	<ul> <li>ITU-T has identified several hundred Recommendations suitable for testing</li> <li>Most of these have no associated Test Specifications (PICS or Test Suites)</li> <li>ITU-T Recommendations cover a very wide range of</li> </ul>
-	protocols, architectures, services, and systems
	Technologies/Services
	<ul> <li>NGN Architecture and Services</li> <li>Fixed-Mobile Convergence</li> <li>Optical Networks</li> <li>Broadband Cable</li> <li>Multimedia, IPTV</li> <li>ISDN</li> <li>QoS, QoE</li> <li>Security</li> </ul>
1	ITU-T Recommendations cover complex systems/ convergence > Wireline/wireless convergence
	<ul> <li>Legacy/IP-based network convergence</li> <li>Services/applications on multiple platforms</li> </ul>

Global Star ≻ SDOs in	ndards Collab close collabora	nformity testing oration tion with and major contributors to orts (including test specifications)	
SDO	Country/Region	Technologies/Services	
ARIB	Japan	NGN Architecture and Services	
ATIS	USA	Fixed-Mobile Convergence     Mobile Multimedia Broadcast/Multicast     Interoperability     Ordical Nationality	
CCSA	China		
ETSI	Europe	Optical Networks     Multimedia and IPTV	
ISACC	Canada	<ul> <li>QoS, QoE</li> <li>Security and Identity Management</li> </ul>	
TIA	USA	Emergency Communications	
TTA	Korea	<ul> <li>Intelligent Transportation Systems</li> <li>Smart Grid</li> </ul>	
TTC	Japan	Machine-to-Machine Communications     Cloud Computing	

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SDO/Organization	Technologies/Services							
ITU-T	<ul> <li>NGN Architecture and Services</li> <li>Fixed-Mobile Convergence</li> <li>Optical Networks</li> </ul>	• Multimedia • QoS, QoE • Security						
IETF	<ul> <li>Internet-related Protocols (routing, transport, security, applications, operations)</li> </ul>							
3GPP/3GPP2	Mobile Telcommunications Systems and Services							
OMA	Service Enablers							
ISO/IEC	<ul> <li>Data protocols and management</li> <li>Multimedia coding</li> <li>Security</li> </ul>							
IEEE	LAN (802.11-series), MAN, WPAN     Mobile Multimedia Broadcast/ Multicast (802.16)     RF Exposure/Safety	Measurements and Calibration     Sensor Networks (RFID)     Security						
CableLabs	CableLabs • Cable networks and transmission of multimedia signals							
others								





## **Test Specification Development** - Protocol Implementation Conformance Statement (PICS) **PICS Proforma** > A document that systematically reviews all requirements of a given standard. In particular, it lists all cases, conditions, and options for the protocol messages and requires an indication of the support of each within a particular implementation Presented in the form of a guestionnaire Status notations: Each condition, option, response, etc. is reflected by a status designation (e.g., mandatory, optional, prohibited, conditional) Support declarations: Indication of the support status (yes, no, not applicable) for each of the items in the questionnaire for the specific implementation under review PICS > The completed questionnaire of the PICS Proforma document > Contains all information regarding a specific implementation PICS Proforma and PICS can be utilized for standards other than strictly protocol standards (ICS Proforma, ICS)

























