

**Telecommunications and Information Exchange Between Systems**

**ISO/IEC JTC 1/SC 6**

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<b>Document Title:</b>	China's Comments on 6N13791 Initial scope and issue list to request comments on TR.FNPSR, Future Network: Problem statement and Requirements
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# Template for comments and secretariat observations

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1	2	(3)	4	5	(6)	(7)
MB	Clause No./ Subclause No./ Annex (e.g. 3.1)	Paragraph/ Figure/Table/ Note (e.g. Table 1)	Type of com- ment <sup>2</sup>	Comment (justification for change) by the MB	Proposed change by the MB	Secretariat observations on each comment submitted
CN1	Part 1: Initial Scope of TR.FNPSR, Future Network: Problem Statement and Requirements	Paragraph 2,3 and4	ed	Part 1(Initial Scope of TR.FNPSR, Future Network: Problem Statement and Requirements) is not a clear form of description.	The description of Part 1 may be better as follows: “ Initial scope of TR.FNPSR, Future Network: Problem Statement and Requirements, includes:  ✓ Describing general concepts and rationale of Future Network to understand the reason why the concept of Future Network is proposed at this moment;  ✓ Describing problem statements of current network technologies and requirements of Future Network;  ✓ Describing gaps between Future Network and other current and emerging network technologies;  ✓ Specifying further standardization issues for Future Network;  ✓ “Clean Slate design” approach. ”	
CN2	Par 2: Issue list for Call for Contribution on TR.FNPSR		ge	Part 2(Issue list for Call for Contribution on TR.FNPSR) provides the further contributions on the issues for TR.FNPSR, but the list is not intact.  For example:  1: The Purpose of this TR.FNPSR should be contained in the TR text.  For instance, one of purposes is that SC 6/WG 7 can start new projects about specific technical Issues listed in this TR.FNPSR in the near future.  2: Technical Issues should contain a strategic design of Infrastructure & Architecture of Future Network.  Infrastructure & Architecture is a base in a network regardless of what kind network it is and design method it based on.	Add the following issues in the list for call for contribution:  Purpose of TR.FNPSR  Technical Issues:  Infrastructure & Architecture  Identification  Other issues of Future Network	

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2 **Type of comment:** **ge** = general **te** = technical **ed** = editorial

**NOTE** Columns 1, 2, 4, 5 are compulsory.

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				<p>3: Technical Issues should contain the Identification.</p> <p>The first reason is as the description in the informative documents (I. INTRODUCTION) that “Clean Slate Design” principle will be used to design a new network, the Identification mechanisms are all based on Incremental Design in the past.</p> <p>The second reason is as the description in the informative documents (II. PROBLEM STATEMENT FOR FUTURE NETWORK and III. NEW DESIGN GOALS AND GENERAL REQUIREMENTS) that “Heterogeneity” is an important character in FN, different kind of architectures, physical media, applications, services and users should identify each other effectively.</p> <p>The third reason is as the description in the informative document (IV. GAP ANALYSIS) that the identification and trust of end peers become a challenge in current networks. This is a serious security issue that must be solved in FN.</p> <p>According to the informative documents in N13791, the Identification issue should not be treated as a pure security part as common.</p> <p>4: Since the design of Future Network is based on “Clean Slate Design” approach, we should not completely limit the contribution scope which may be established by our old experience. This behaviour disobeys the idea of “Clean Slate Design” principle.</p>		
CN3	Informative document III (NEW DESIGN GOALS AND GENERAL REQUIREME		ge	As described in section 1.2 of informative documents II (PROBLEM STATEMENT FOR FUTURE NETWORK), one of the main problems on the today’s Internet is not to provide secure communication, as current communication is not trusted, problems are self-evident. The Section 2 of informative documents III should provide the main problem either.	The Section 2 should be changed to “The Future Network should be built on the premise that secure communication and mutual peer authentication and must be provided. Security must be protected from the plague of security breaches, spread of worms and spam, and denial of service attacks, and so on.”	

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	NTS) Section 2. Security			The two sections should be accordant.		

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