

ISO/IEC 21559-2:2023-01 (E)

Telecommunications and information exchange between systems - Future network protocols and mechanisms - Part 2: Proxy model-based quality of service

Contents	Page
Foreword	iv
Introduction	v
1 Scope	1
2 Normative references	1
3 Terms, definitions and abbreviated terms	1
3.1 Terms and definitions	1
3.2 Abbreviated terms	2
4 Protocol mechanisms in BFS	3
4.1 Description of BFS	3
4.2 General interactive nature for FHR	4
4.2.1 FNProxy pairing situations	4
4.2.2 Active and passive functions of FNProxy	4
4.2.3 Interaction model of BFS with engines	4
4.2.4 FPDU definition of BFS	6
4.2.5 Strategy processing scheme in FNProxy	8
4.2.6 Concept of the procedures in BFS	9
4.2.7 Function invoke descriptions to domains of FNQoS system	12
5 Protocol mechanisms in SFS	12
5.1 Description of SFS	12
5.2 Operations by using operator in SFS	13
5.3 Service transition by FNProxy strategy or FLM	15
5.3.1 Description of FLM for FIB	15
5.3.2 FNProxy strategy or FLM determining the service transition	15
5.4 Sequence diagram overview related to SFS	16
5.4.1 General description of sequence diagram to SFS	16
5.4.2 Main elements in the sequence diagram	17
5.5 Narrative of AI dynamically enabling interaction	18
5.5.1 General	18
5.5.2 Dynamism caused by FNProxy link topology change	19
5.5.3 Dynamism by driving the external environment	20
5.6 General framework of SFSP	20
Annex A (informative) Representation reference of FNProxy collaboration effects	24
Annex B (informative) Bi-S operator Example between two FNProxies with C++	29
Annex C (informative) Methods for the domains	31
Annex D (informative) FNProxy Link Modes (FLMs) for SFS	33
Annex E (informative) Collaboration between FNQoS systems	35
Annex F (informative) Multi FNProxies making effect of dynamic MFHR	36
Annex G (informative) Avoiding SFS infinite transitions and overservice	37
Annex H (informative) General framework of FNQoS protocol	40
Bibliography	43