

# ISO/IEC 21558-3:2022-03 (E)

## Telecommunications and information exchange between systems - Future network architecture - Part 3: Networking of everything

---

<b>Contents</b>		<b>Page</b>
<b>Foreword</b> .....		<b>iv</b>
<b>Introduction</b> .....		<b>v</b>
<b>1 Scope</b> .....		<b>1</b>
<b>2 Normative references</b> .....		<b>1</b>
<b>3 Terms and definitions</b> .....		<b>1</b>
<b>4 Abbreviated terms</b> .....		<b>3</b>
<b>5 Future Networks — Networking of Everything (FN-NoE)</b> .....		<b>4</b>
5.1 General.....		4
5.2 Thing-user social networking.....		4
5.3 Thing-user centric communication service.....		5
<b>6 Architecture of FN-NoE</b> .....		<b>5</b>
6.1 General.....		5
6.2 FN-NoE for thing-user centric communication service.....		7
6.3 Topologies of the FN-NoE.....		8
6.4 Reference model of the FN-NoE.....		9
<b>7 Functional procedure of the FN-NoE</b> .....		<b>11</b>
7.1 General.....		11
7.2 Thing-user and thing-user social community.....		12
7.3 Organizing and maintaining the thing-user social community.....		14
7.4 Sharing thing-user experiences in the thing-user social community.....		15
7.5 Thing-user manages the subscription and publishing of experiences in the level of cluster and each community tier — Finding the coordinated thing-user.....		15
7.6 Establishing and maintaining the proximal path.....		15
<b>Annex A (informative) FN-NoE thing-user centric communication service</b> .....		<b>16</b>
<b>Annex B (informative) FN-NoE architecture over RINA (Recursive InterNetwork Architecture) based future networks</b> .....		<b>18</b>
<b>Bibliography</b> .....		<b>21</b>