

ISO/IEC TR 26927:2006-12 (E)

Information technology - Telecommunications and information exchange between systems - Corporate Telecommunication Networks - Mobility for Enterprise Communications

Contents		Page
Foreword		v
Introduction		vi
1	Scope	1
2	Normative references	1
3	Terms and definitions	2
4	Acronyms and abbreviations	7
5	Overview	9
6	Taxonomy of mobility	11
6.1	Basic mobility types	11
6.1.1	Terminal mobility (also known as device mobility)	11
6.1.2	User mobility (also known as personal mobility)	11
6.1.3	Session mobility	11
6.1.4	Service mobility	11
6.2	Mobility across different network infrastructures (network roaming)	12
6.2.1	Mobility across access network technologies	12
6.2.2	Mobility across administrative network domains	12
6.3	Granularity of mobility	12
6.3.1	Continuous mobility (mobile access)	13
6.3.2	Discrete mobility (nomadic and portable access)	13
6.3.3	Local and global mobility	14
7	Overview on technical issues of mobility	14
7.1	Mobility Management	14
7.1.1	Protocols for IP-mobility management	15
7.1.2	Terminal management	16
7.1.3	User profile management	17
7.1.4	Roaming services	17
7.1.5	Presence services	18
7.2	Service architecture issues	18
7.2.1	IMS architecture	18
7.2.2	Quality of Service (QoS)	18
7.3	Security	19
7.3.1	User and device identification	19
7.3.2	Authentication	20
7.3.3	Authorization	20
7.3.4	Access by VPN	20
8	Use cases of enterprise mobility	22
8.1	Mobility starting from the home network	22
8.1.1	Use case: Discrete mobility within the home domain	24
8.1.2	Use case: Discrete mobility between home and visited domain	24
8.1.3	Use case: Continuous mobility between two visited domains	26

8.1.4	Use case: Continuous mobility between home domain and a visited network	27
8.2	Mobility starting from a visited network	28
8.2.1	Use case: Discrete mobility in a visited public network	29
8.2.2	Use case: Discrete mobility in a visited enterprise network	31
8.2.3	Use case: Discrete mobility in a residential network	31
8.2.4	Use case: Continuous mobility within a visited public network	32
8.2.5	Use case: Continuous mobility between different network technologies of a visited public network	33
8.2.6	Use case: Continuous mobility between different visited public networks	34
8.2.7	Use case: Continuous mobility between a visited public network and the home network .	35
9	Functional requirements on enterprise-grade mobility	36
9.1	Enterprise user's perspective	36
9.2	Enterprise network operator's and IT manager's perspective	38
9.3	Perspective of 3rd party service providers	42
9.4	Perspective of regulatory authorities and administrations	43
Annex A (informative) Standardization and promotion activities on enterprise mobility issues		44