TL 9000 Product Categories R5.1 vs. Likely NACE Codes

NOTE: The following list is provided as an aid in selecting NACE codes. It is not an exhaustive list of all possible NACE codes for a given TL 9000 Product Category. The actual NACE code used by the organization should be selected after consultation between the organization and its certification body auditor.

PRODUCT CATEGORY	NACE Code	IAF/EA #
1 SWITCHING		
1.1 Circuit Switch		
1.2 Packet Switch		
1.2.1 Legacy Packet Products		
1.2.2 Access Multi-Service	DL 32.2 Telephony mfg.	19
1.2.2.1 Wireline	and/or	
1.2.2.2 Wireless	K 72.2 Software supply	33
1.2.3 Media Gateways		
1.2.7 Application Servers		
1.2.8 Service and Network Controller		
1.2.9 Routers		
1.2.9.1 Core		
1.2.9.2 Edge		
1.2.9.3 Access		
2 SIGNALING AND NETWORK CONTROL		
2.1 Service Control (SCP)		
2.2 Common Channel Signaling (STP)	DL 32.2 Telephony mfg.	19
2.3 Home Location Register (HLR)	and/or	
2.4 Service Logic (SL)	K 72.2 Software supply	33
2.5 Protocol Server		
2.6 Network Access Control		
2.7 Network Security		
2.8 Mobility Management Entity		
3 TRANSMISSION		
3.1 Transmission Media and Structure		
3.1.1 Transmission Medium		
3.1.1.1 Metallic Products	DL 31.3 Wire & cable mfg.	19
3.1.1.1.1 Metallic Conductor Cable		
3.1.1.1.2 Metallic Conductors	DL 31.2 Electricity distribution	19
	and control apparatus mfg.	
3.1.1.2 Optical Fiber Products	DL 33.4 Optical instruments and	
3.1.1.2.1 Optical Fiber	photographic equipment mfg.	19
3.1.1.2.2 Optical Connectors		
3.1.1.3 Transmission Components	DI 22.2 Tolophony mfg	19
3.1.1.3.1 Active Sub-systems	DL 32.2 Telephony mfg.	19
3.1.1.3.2 Passive Optical Sub-systems	DL 33.4 Optical instruments and	19
	photographic equipment mfg.	
3.1.1.3.3 Ancillary Sub-systems	DL 32.2 Telephony mfg.	19
3.1.1.3.4 Fixed Antenna Systems		
3.1.1.3.4.1 Radio Antenna Systems	DI 22.2 Tolonhany mfa	10
3.1.1.3.4.2 Satellite Antenna Systems	DL 32.2 Telephony mfg.	19
3.1.1.3.4.3 Optical Antenna Systems		
3.1.2 Physical Structures		
3.1.2.1 Enclosures	DJ 28.1 Structural metal product	17
3.1.2.2 Support Structures	mfg.	
3.1.2.3 Conduits	-	

PRODUCT CATEGORY	NACE Code	IAF/EA #
 3.2 Transport Equipment 3.2.1 Cross Connect Systems 3.2.1.1 Manual Cross Connect Systems 3.2.1.2 Digital Cross Connect Systems 3.2.1.3 Optical Cross Connect Systems 3.2.2 Carrier Systems / Multiplex 3.2.2 Carrier Systems / Multiplex 3.2.2.1 Interoffice / Long Haul 3.2.2.1.1 Metallic Carrier System 3.2.2.1.2 Optical Carrier System 3.2.2.1.2.1 SONET / SDH Transport System 3.2.2.1.2.3 Reconfigurable Optical Add-Drop Multiplexer (ROADM) 	DL 32.2 Telephony mfg. and/or K 72.2 Software supply	19 33
 3.2.2.1.3 Microwave 3.2.2.2 Loop Carrier 3.2.3 Line Terminating Equipment / Distributing Frames 3.2.4 Digital Subscriber Line (DSL) 3.2.4.1 Legacy 3.2.4.2 Symmetric 3.2.4.3 Asymmetric 3.2.4.4 IP 3.2.5 Fiber to the User 3.2.6 Video Transmission 3.2.6.1 Cable Modem Termination Equipment 3.2.6.2 Analog Video Transmission Equipment 3.2.6.3 Digital Video Transmission Equipment 3.2.6.4 Ad Servers 3.3 Wireless Transmission 3.3.1 Base Station Equipment 3.2.2 Advanced 3.3.2.3 AdG 3.3.2.4 Small Cell Radios 3.3 Pilot Beacon Unit (PBU) 3.3.4 WLAN Base Station Equipment 3.4 Ancillary Products 3.4.1 Location Services 3.4.2 Lawful Intercept 		
4 OPERATIONS & MAINTENANCE		
4.1 Test Systems 4.1.1 Test Access Equipment 4.1.2 Test Equipment Embedded	DL 33.2 Mfg. of Instruments and appliances for measuring, checking, testing, etc.	19
4.1.3 Test Support Software	K 72.2 Software supply	33
4.2 Operational Support Systems4.2.1 On Line Critical4.2.2 On Line Non-Critical	DL 32.2 Telephony mfg. and/or	19
4.2.3 Off Line 4.3 Ancillary Operations and Maintenance	K 72.2 Software supply	33
5 COMMON SYSTEMS	DI 22.2 Mfg. of tolovision and	10
5.1 Synchronization	DL 32.2 Mfg. of television and radio receivers, sound or video recording or reproducing apparatus and/or	19
	K 72.2 Software supply	33
5.2 General Purpose Computers	DL 30.0 Mfg. of computers	19
5.3 Power Systems	DL 31.2 Mfg. of electricity	

PRODUCT CATEGORY	NACE Code	IAF/EA #
	distribution and control	
	apparatus	19
	and/or	
	DL 31.4 Mfg. of accumulators,	
	primary cells and primary	
	batteries	

		40
5.4 Data Storage Systems	DL 30.0 Mfg. of computers and/or	19
	K 72.2 Software supply	33
6 CUSTOMER PREMISES		
6.1 Enhanced Services	DL 30.0 Mfg. of computers and/or	19
	K 72.2 Software supply	33
6.2 Terminal Equipment		
6.2.1 Voice Terminals		
6.2.1.1 Wireless Telephone Sets	DL 32.3 Mfg. of television and	19
6.2.1.2 Wireless Subscriber User Terminals	radio receivers, sound or video	
6.2.1.2.1 Simple	recording or reproducing	
6.2.1.2.2 Complex	apparatus	
3.2.1.2.3 Radios		
3.2.1.2.4 Wireless Terminal Software Applications	K 72.2 Software supply	33
6.2.3 Data Modems		
6.2.3.1 Wired Modems		
6.2.3.2 Wireless Modems	DL 32.3 Mfg. of television and	19
6.2.4 Digital Data Service Units	radio receivers, sound or video	
6.2.5 Passive Optical Network Termination Units	recording or reproducing	
6.2.6 Set Top Box	apparatus	
6.2.7 CPE Router	apparatus	
6.2.8 Home Base Station		
6.3 Automatic Call Distribution (ACD) Systems	DL 30.0 Mfg. of computers	19
0.5 Automatic Call Distribution (ACD) Systems	and/or	19
		22
6.4 Drivete Branch Evenence (DBV)	K 72.2 Software supply	<u>33</u> 19
6.4 Private Branch Exchanges (PBX)	DL 32.2 Telephony mfg.	19
	and/or	00
	K 72.2 Software supply	33
6.5 Small Communications Systems (Key Telephone Systems)	DL 32.2 Telephony mfg.	19
	DL 32.3 Mfg. of television and	
	radio receivers, sound or video	
	recording or reproducing	
	apparatus	
6.6 Internet Security Devices	DL 32.2 Telephony mfg.	19
	and/or	
	K 72.2 Software supply	33
7 SERVICE PRODUCTS		
7.1 Network Installation and Provisioning	F 45.2 Building of complete	
7.1.1 Installation	construction or parts thereof;	28
	civil engineering or the NACE	
	code of the product being	
	installed	
7.1.2 Provisioning	I 64.2 Telecommunications	31
7.1.3 Construction Services	F 45.2 Building of complete	28
	construction or parts thereof;	-
	civil engineering	
7.2 Engineering Services	K 74.2 Architectural and	
7.2.1 Network Engineering Services	engineering activities and related	34
7.2.1.1 Fixed Network	technical consultancy	• •
7.2.1.2 Mobile Network	leen nour concuratioy	
	1	

7.2.2 Software Development Services		
7.2.3 Hardware Development Services	K 74.8 Other business activities	35
7.2.4 Telecom Network Integration	I 64.2 Telecommunications	31
	DL 32.2 Telephony mfg.	
7.2.5 Metrology and Calibration	K 74.3 Technical testing and	35
7.2.6 Telecom Test Laboratory	analysis	
7.3 Maintenance Services	K 74.8 Other business activities	35
7.3.1 Network Field Maintenance		
7.3.2 Network Operations Center		
7.3.3 Network Performance Services		
7.4 Repair Services	Same NACE Code as	
	manufacturer of hardware or	19
	systems being repaired	
7.5 Customer Support Center		
7.5.1 Technical Assistance and Customer Support Centers	K 74.8 Other business activities	25
7.5.2 End-customer Support Services 7.6 Purchasing Services	K 74.6 Other business activities	35
7.6.1 Procurement Services		
7.6.2 Sourcing/Purchasing Services		
7.6.3 Communications Services Acquisition		
7.7 Manufacturing Services	DL 32.3 Mfg. of television and	19
7.7.1 Small Assemblies	radio receivers, sound or video	
7.7.2 Printed Circuit Board Assembly	recording or reproducing	
7.7.3 Cable Assembly	apparatus	
7.7.4 Electromechanical Assembly		
7.7.5 Logistical Services		
7.7.5.1 Logistical Services, Third Party 7.7.5.2 Logistical Services, Internal		
7.7.5.3 Reverse Logistics	K 74.8 Other business activities	35
7.8 Business Services		
7.8.1 Financial Services		
7.8.2 Contract/Temporary Staffing		
7.8.3 Training	K 74.8 Other business activities	35
7.8.4 Fleet Logistics		
7.8.5 Facility Management		
7.9 General Support Services		
7.10 e-Business Consulting		
7.11 Customer Assistance		
8 Components and Subassemblies 8.1 Components		
8.1.1 Discrete Semiconductors	DL 32.1 Mfg. of electronic valves	19
8.1.2 Integrated Circuits	and tubes and other electronic	15
8.1.3 Passive Components	components	
8.1.4 Electromechanical		
8.2 Electronic Assemblies		40
8.2.1 Simple	DL 32.2 Telephony mfg.	19
8.2.2 Medium Complexity 8.2.3 High Complexity	DL 32.3 Mfg. of television and radio receivers, sound or video	
8.2.4 Very High Complexity	recording or reproducing	
8.3 Cable Assemblies	apparatus	
8.4 Electromechanical Assemblies		
8.5 Optical Fiber and Devices		
8.5.1 Optical Fiber	DL 33.4 Optical instruments and	19
8.5.2 Optical Devices	photographic equipment mfg.	
8.5.2.1 Opto-electronic Devices		
8.5.2.2 Passive Optical Devices		
8.5.2.3 Optical Subassemblies		
8.6 Software Components and Tools		

8.6.1 Software Components	K 72.2 Software supply	33
8.6.2 Software Development Tools		
9 End-Customer Services		
9.1 Voice		
9.2 Wireless	I 64.2 Telecommunications	31
9.3 Transport Networks		
9.4 Private Networks		
9.5 Internet Access		
9.6 e-Business & Content Hosting		
9.7 Bulk Transport		
9.7.1 Infrastructure		
9.7.2 Wholesale		
9.8 Video Broadcast		
9.9 Emergency Service Network		

Accredited certification bodies require approval from their accreditation body for the scope category (NACE Code) associated with the product category of the supplier being assessed for TL 9000 conformance; these are summarized as follows:

NACE Code	TL 9000 Registration Specialty Options
DJ 28.1	TL 9000-H
DL 30.0	TL 9000-H
DL 31.2	TL 9000-H
DL 31.3	TL 9000-H
DL 31.4	TL 9000-H
DL 32.2	TL 9000-H
	TL 9000-S
DL 32.3	TL 9000-H
	TL 9000-S
DL 33.2	TL 9000-H
	TL 9000-S
DL 33.4	TL 9000-H
F 45.2	TL 9000-V
I 64.2	TL 9000-V
K 72.2	TL 9000-S
K 74.2	TL 9000-V
K 74.8	TL 9000-V

Note: Does not include consideration of component level product categories.

Note: For any Hardware registration option above, if repair is also offered then the TL 9000-V option could also apply. Note: Product Categories listed in Red will be used for possible Data Aggregation only. Measurements must be submitted in the lowest Product Category listing.