

TL 9000 Product Categories R4.0 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 registrar auditor.

PRODUCT CATEGORY	NACE Code	IAF/EA #
1 SWITCHING		
1.1 Circuit Switch		
1.2 Packet Switch		
1.2.1 Legacy Packet Products	DL 32.2 Telephony mfg.	19
1.2.2 Access Multi-Service	and/or	
1.2.7 Application Servers	K 72.2 Software supply	33
1.2.8 Service and Network Controller		
1.2.9 Routers		
1.2.9.1 Core		
1.2.9.2 Edge		
2 SIGNALING		
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
3 TRANSMISSION		
3.1 Outside Plant		
3.1.1 Transmission Medium		
3.1.1.1 Metallic Products		
3.1.1.1.1 Metallic Conductor Cable	DL 31.3 Wire & cable mfg.	19
3.1.1.1.2 Metallic Conductors	DL 31.2 Electricity distribution and control apparatus mfg.	19
3.1.1.2 Optical Fiber Products		
3.1.1.2.1 Optical Fiber	DL 33.4 Optical instruments and photographic equipment mfg.	19
3.1.1.2.2 Optical Connectors		
3.1.1.3 Transmission Components		
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 photographic equipment mfg.	19
3.1.1.3.3 Ancillary Sub-systems	DL 32.2 Telephony mfg.	19
3.1.2 Physical Structures		
3.1.2.1 Enclosures	DJ 28.1 Structural metal product mfg.	17
3.1.2.2 Support Structures		
3.1.2.3 Conduits		
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		
3.2.2.1 Interoffice / Long Haul		
3.2.2.1.1 Metallic Carrier System	DL 32.2 Telephony mfg.	19
3.2.2.1.2 Optical Carrier System		
3.2.2.1.2.1 SONET / SDH Transport System	and/or	
3.2.2.1.2.2 WDM / DWDM / Optical Amplification Products	K 72.2 Software supply	33
3.2.2.1.2.3 Microwave		
3.2.2.2 Loop Carrier		
3.2.3 Line Terminating Equipment / Distributing Frames		
3.2.4 Digital Subscriber Line (DSL)		
3.2.5 Fiber to the User		
3.2.6 Cable Transmission		
3.2.6.1 Cable Modem Termination Equipment		

PRODUCT CATEGORY	NACE Code	IAF/EA #
3.2.6.2 Analog Cable Transmission Equipment 3.2.6.3 Digital Video Cable Transmission Equipment		
3.3 Wireless Transmission 3.3.1 Base Station Equipment 3.3.2 Base Transceiver System (BTS) 3.3.3 Pilot Beacon Unit (PBU) 3.3.4 WLAN Base Station Equipment 3.3.5 Wireless Location Services		
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 Systems 4.2.1 On Line Critical 4.2.2 On Line Non-Critical 4.2.3 Off Line 4.3 Ancillary Operations and Maintenance	DL 32.2 Telephony mfg. and/or K 72.2 Software supply	19 33
5 COMMON SYSTEMS		
5.1 Synchronization	DL 32.2 Mfg. Of television and radio receivers, sound or video recording or reproducing apparatus and/or K 72.2 Software supply	19 33
5.2 General Purpose Computers	DL 31.0 Mfg. Of computers	19
5.3 Power Systems	DL 31.2 Mfg. Of electricity distribution and control apparatus and/or DL 31.4 Mfg. Of accumulators, primary cells and primary batteries	19
6 CUSTOMER PREMISES		
6.1 Enhanced Services	DL 30.0 Mfg. Of computers and/or K 72.2 Software supply	19 33
6.2 Terminal Equipment 6.2.1 Voice Terminals 6.2.1.1 Wireless Telephone Sets 6.2.1.2 Wireless Subscriber User Terminals 6.2.2 Fax Equipment 6.2.3 Data Modems 6.2.4 Digital Data Service Units 6.2.5 Passive Optical Network Termination Units 6.2.6 Multi-play Equipment 6.2.7 CPE Router	DL 32.3 Mfg. Of television and radio receivers, sound or video recording or reproducing apparatus	19
6.3 Automatic Call Distribution (ACD) Systems	DL 30.0 Mfg. Of computers and/or K 72.2 Software supply	19 33
6.4 Private Branch Exchanges (PBX)	DL 32.2 Telephony mfg. and/or K 72.2 Software supply	19 33
6.5 Small Communications Systems (Key Telephone Systems)	DL 32.2 Telephony mfg. DL 32.3 Mfg. Of television and radio receivers, sound or video recording or reproducing apparatus	19

PRODUCT CATEGORY	NACE Code	IAF/EA #
7 SERVICES		
7.1 Network Installation and Provisioning		
7.1.1 Installation	F 45.2 Building of complete construction or parts thereof; civil engineering or the NACE code of the product being installed	28
7.1.2 Provisioning	I 64.2 Telecommunications	31
7.2 Engineering Services		
7.2.1 Network Engineering Service	K 74.2 Architectural and engineering activities and related technical consultancy	34
7.2.2 Software Development Service		
7.2.3 Hardware Development Service	K 74.8 Other business activities	35
7.2.4 Telecom Network Integration	I 64.2 Telecommunications	31
7.2.5 Metrology and Calibration		
7.2.6 Telecom Test Laboratory	K 74.3 Technical testing and analysis	35
7.3 Maintenance Service	K 74.8 Other business activities	35
7.4 Repair Services	Same NACE Code as manufacturer of hardware or systems being repaired	19
7.5 Call Center		
7.6 Purchasing Services		
7.6.1 Procurement Services		
7.6.2 Sourcing/Purchasing Services	K 74.8 Other business activities	35
7.7 Manufacturing Services		
7.7.1 Small Assemblies		
7.7.2 Printed Circuit Board Assembly		
7.7.3 Cable Assembly		
7.7.4 Electromechanical Assembly	DL 32.3 Mfg. Of television and radio receivers, sound or video recording or reproducing apparatus	19
7.7.5 Logistical Services		
7.7.5.1 Logistical Services, Third Party		
7.7.5.2 Logistical Services, Internal		
7.11 Customer Assistance	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		
7.8.4 Fleet Logistics		
7.9 General Support Services		
7.10 e-Business Consulting		
7.11 Customer Assistance	K 74.8 Other business activities	35
8 Components and Subassemblies		
8.1 Components		
8.1.1 Discrete Semiconductors		
8.1.2 Integrated Circuits		
8.1.3 Passive Components		
8.1.4 Electromechanical	DL 32.1 Mfg. of electronic valves and tubes and other electronic components	19
8.2 Electronic Assemblies		
8.2.1 Simple		
8.2.2 Medium Complexity		
8.2.3 High Complexity		
8.2.4 Very High Complexity		
8.3 Cable Assemblies		
8.4 Electromechanical Assemblies	DL 32.2 Telephony mfg. DL 32.3 Mfg. Of television and radio receivers, sound or video recording or reproducing apparatus	19
8.5 Optical Fiber and Devices		

PRODUCT CATEGORY	NACE Code	IAF/EA #
8.5.1 Optical Fiber 8.5.2 Optical Devices 8.5.2.1 Opto-electronic Devices 8.5.2.2 Passive Optical Devices 8.5.2.3 Optical Subassemblies	DL 33.4 Optical instruments and photographic equipment mfg.	19
8.6 Software Components and Tools 8.6.1 Software Components 8.6.2 Software Development Tools	K 72.2 Software supply	33
9 End-Customer Products		
9.1 Voice 9.2 Wireless 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	I 64.2 Telecommunications	31

Accredited registrars 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 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. Metrics must be submitted per the lower product Category listing.