## TL 9000 Product Categories R4.1 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 registrar auditor.

PRODUCT CATEGORY	NACE Code	IAF/EA #
1 SWITCHING		
1.1 Circuit Switch		
1.2 Packet Switch		
1.2.1 Legacy Packet Products		4.0
1.2.2 Access Multi-Service	DL 32.2 Telephony mfg.	19
1.2.3 Media Gateways	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		
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		
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	DL 32.2 Telephony mfg.	19
3.1.1.3.1 Active Sub-systems		
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	DL 32.2 Telephony mfg.	19
3.1.1.3.4.2 Satellite Antenna Systems		
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		

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         3.2.2.1 Interoffice / Long Haul         3.2.2.1.1 Metallic Carrier System         3.2.2.1.2 Doptical Carrier System         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 Andd-Drop Multiplexer         (ROADM)         3.2.2.2 Loop Carrier         3.2.3.1 bite Terminating Equipment / Distributing Frames         3.2.4 Digital Subscriber Line (DSL)         3.2.5 Fiber to the User         3.2.6 Cable Transmission         3.2.6.3 Digital Video Cable Transmission Equipment         3.2.6.3 Digital Video Cable Transmission Equipment         3.3.6 As Digital Video Cable Transmission Equipment         3.3.2 Base Transceiver System (BTS)         3.3.2 Base Cation 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         3.2.1.1 Metallic Carrier System         3.2.2.1.1 Metallic Carrier System         3.2.2.1.2 Optical Carrier System         3.2.2.1.2 Optical Carrier System         3.2.2.1.2 Optical Carrier System         3.2.2.1.2 WDM / DWDM / Optical Amplification Products         3.2.2.1.2.3 Reconfigurable Optical Add-Drop Multiplexer         (ROADM)         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)         3.2.5 Fiber to the User         3.2.6.1 Cable Modem Termination Equipment         3.2.6.3 Digital Video Cable Transmission Equipment         3.2.6.3 Digital Video Cable Transmission Equipment         3.3.1 Base Station Equipment         3.3.2 Base Transceiver System (BTS)         3.3.2.1 Basic	-
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         3.2.2.1.2 Optical Carrier System         3.2.2.1.2 Optical Carrier System         3.2.2.1.2.1 SONET / SDH Transport System         3.2.2.1.2.2 WDM / DWDM / Optical Amplification Products         3.2.2.1.2.3 Reconfigurable Optical Add-Drop Multiplexer         (ROADM)         3.2.2.1 Long Carrier         3.2.3 Line Terminating Equipment / Distributing Frames         3.2.4 Digital Subscriber Line (DSL)         3.2.5 Fiber to the User         3.2.6.1 Cable Transmission         3.2.6.2 Analog Cable Transmission Equipment         3.2.6.3 Digital Video Cable Transmission Equipment         3.3.1 Base Station Equipment         3.3.2 Base Transceiver System (BTS)         3.3.2.1 Basic	-
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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 Interoffice / Long Haul         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 Optical Carrier System         3.2.2.1.2.1 SONET / SDH Transport System         3.2.2.1.2.2 WDM / DWDM / Optical Amplification Products         3.2.2.1.2.3 Reconfigurable Optical Add-Drop Multiplexer         (ROADM)         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)         3.2.5.5 Fiber to the User         3.2.6.1 Cable Modem Termination Equipment         3.2.6.2 Analog Cable Transmission Equipment         3.2.6.3 Digital Video Cable Transmission Equipment         3.3.1 Base Station Equipment         3.3.2 Base Transceiver System (BTS)         3.3.2.1 Basic	-
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3.2.5 Fiber to the User         3.2.6 Cable Transmission         3.2.6.1 Cable Modem Termination Equipment         3.2.6.2 Analog Cable Transmission Equipment         3.2.6.3 Digital Video Cable Transmission Equipment         3.3.0 Wireless Transmission         3.3.1 Base Station Equipment         3.3.2 Base Transceiver System (BTS)         3.3.2.1 Basic	
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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)         3.3.2.1 Basic	
3.3 Wireless Transmission         3.3.1 Base Station Equipment         3.3.2 Base Transceiver System (BTS)         3.3.2.1 Basic	
3.3.1 Base Station Equipment         3.3.2 Base Transceiver System (BTS)         3.3.2.1 Basic	
3.3.2 Base Transceiver System (BTS) 3.3.2.1 Basic	
3.3.2.1 Basic	
2222 Advanced	
3.3.2.2 Advanced	
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         DL 33.2 Mfg. Of Instruments	0
4.1.1 Test Access EquipmentDL 33.2 Mfg. Of Instruments194.1.2 Test Equipment Embeddedand appliances for measuring,	9
checking, testing, etc.	
4.1.3 Test Support Software K 72.2 Software supply 33	3
4.2 Operational Support Systems	5
4.2.1 On Line Critical DL 32.2 Telephony mfg.	q
4.2.2 On Line Non-Critical and/or	J
4.2.3 Off Line K 72.2 Software supply 33	3
4.3 Ancillary Operations and Maintenance	•
5 COMMON SYSTEMS	
5.1 Synchronization DL 32.2 Mfg. Of television and 19	9
radio receivers, sound or video	
recording or reproducing	
apparatus	ľ
and/or	
K 72.2 Software supply 33	
5.2 General Purpose Computers   DL 31.0 Mfg. Of computers   19	9
5.3 Power Systems DL 31.2 Mfg. Of electricity	
distribution and control	
apparatus 1	9
and/or	-
DL 31.4 Mfg. Of accumulators,	
primary cells and primary	
batteries	

5.4 Data Storage Systems	DL 30.0 Mfg. Of computers	19
	and/or	
	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		10
6.2.1.1 Wireless Telephone Sets	DL 32.3 Mfg. Of television and	19
6.2.1.2 Wireless Subscriber User Terminals 6.2.1.2.1 Simple	radio receivers, sound or video recording or reproducing	
6.2.1.2.2 Complex	apparatus	
6.2.2 Fax Equipment	apparatus	
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		
6.2.8 Home Base Station		10
6.3 Automatic Call Distribution (ACD) Systems	DL 30.0 Mfg. Of computers and/or	19
	K 72.2 Software supply	33
6.4 Private Branch Exchanges (PBX)	DL 32.2 Telephony mfg.	19
0.4 Thvate Brahon Exchanges (FBX)	and/or	10
	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	
C.C. Internet Convrity Devices	apparatus	10
6.6 Internet Security Devices	DL 32.2 Telephony mfg. and/or	19
	K 72.2 Software supply	33
7 SERVICES		00
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
7.2 Engineering Services 7.2.1 Network Engineering Service	K 74.2 Architectural and engineering activities and related	34
7.2.1 Network Engineering Service	technical consultancy	34
	teennear consultancy	
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	K 74.3 Technical testing and	35
7.2.6 Telecom Test Laboratory	analysis	
7.3 Maintenance Service	K 74.8 Other business activities	35
7.4 Repair Services	Same NACE Code as	
	manufacturer of hardware or	19
	systems being repaired	

7.3 Casturities Support Centre         7.6 Prochamp Services         7.6.2 Sourcing Purchasing Services         7.6.2 Sourcing Purchasing Services         7.7.1 Small Assemblies         7.7.1 Small Assemblies         7.7.2 Schuld Assembly         7.7.3 Cable Assembly         7.7.4 Electromechanical Assembly         7.7.5 Logistical Services. Third Party         7.7.5 Logistical Services. Internal         7.7.5 Logistical Services. Internal         7.8 Statistical Services.         7.8 Statistical Services.         7.8 Statistical Services.         7.9 General Support Services         7.10 Customer Assistance.         8.10 Components         8.1.1 Discrete Semiconductors         8.1.2 Integrated Circuits         8.1.3 Passive Components         8.1.4 Electromechanical         8.2 Medium Complexity         8.3.2 Align Complexity         8.3.2 Optical Fiber and Devices         8.5.2 Optical Fiber and Devices <t< th=""><th>7 E Oustomer Support Conter</th><th></th><th></th></t<>	7 E Oustomer Support Conter		
7.6.1 Procurement Services       K 74.8 Other business activities       35         7.6.2 Sourcing/Purchasing Services       D. 32.3 Mfg. Of television and radio receivers, sound or video recording or reproducing apparatus       19         7.7.3 Small Assemblies       ration receivers, sound or video recording or reproducing apparatus       19         7.7.4 Electromechanical Assembly       recording or reproducing apparatus       35         7.7.5 Logistical Services, Internal       K 74.8 Other business activities       35         7.8.1 Financial Services, Internal       K 74.8 Other business activities       35         7.8.2 Sourcinal Services       7.8.2 Contract/Temporary Staffing       7.8.4 Financial Services       35         7.9 General Support Services       7.1 General Support Services       35       35         7.9 General Support Services       DL 32.1 Mfg. of electronic valves and tubes and other electronic components       19         8.1.1 Discrete Semiconductors       DL 32.1 Mfg. Of television and ratio receivers, sound or video recording or reproducing apparatus       19         8.2.1 Simple       DL 32.2 Mfg. Of television and ratio receivers       19         8.1.2 Discrete Semiconductors       DL 32.3 Mfg. Of television and ratio receivers       19         8.1.3 Dressive Components       components       19       12.3 Z Mfg. Of television and ratio receivers, sound or video recording or reproducing apara	7.5 Customer Support Center		
7.6.2 Sourcing/Purchasing Services       L.32.3 Mfg. Of television and 19         7.7 Manufacturing Services       DL.32.3 Mfg. Of television and 19         7.7.3 Cable Assembly       apparatus         7.7.4 Lectromechanical Assembly       apparatus         7.7.5 Logistical Services, Internal       K 74.8 Other business activities         7.7.5 Logistical Services, Internal       K 74.8 Other business activities         7.8.1 Financial Services       Strategram         7.8.2 Contract/Temporary Staffing       K 74.8 Other business activities         7.8.3 Training       K 74.8 Other business activities         7.9 General Support Services       35         7.10 e-Business Consulting       119         8.1.1 Discrete Semiconductors       DL 32.1 Mfg. of electronic valves and tuber and other electronic components         8.1.2 Integrated Circuits       and tubes and other electronic components         8.1.3 Passive Components       DL 32.2 Telephony mfg.         8.2.4 Nergharde Circuits       and tubes and other electronic components         8.1.4 Electronic Assemblies       apparatus         8.2.5 Optical Fiber and Devices       apparatus         8.5 Optical Fiber and Devices       apparatus         8.5.1 Optical Fiber and Devices       apparatus         8.5.2 Optical Evences       apparatus <t< td=""><td></td><td></td><td>05</td></t<>			05
7.7.1 Small Assemblies       DL 32.3 Mfg. Of television and radio recorrers, sound or video recording or reproducing apparatus       19         7.7.3 Cable Assembly       7.7.4 Electromechanical Assembly       apparatus       19         7.7.4 Electromechanical Assembly       apparatus       35         7.7.5 Logistical Services, Third Party       7.7.5 Logistical Services, Internal       K 74.8 Other business activities       35         7.8.1 Englistical Services, Internal       K 74.8 Other business activities       35         7.8.1 Englistical Services, Internal       K 74.8 Other business activities       35         7.8.2 Fondard Services       7.8 Financial Services       35         7.8.4 Financial Services       7.9 General Support Services       35         7.10 e-Business Consulting       7.11 Customer Assistance       19         8.1.1 Discrete Semiconductors       B.1.2 Sizerte Semiconductors       19         8.1.2 Integrated Circuits       and tubes and other electronic components       19         8.1.3 Passive Components       DL 32.2 Telephony mfg.       19         8.2.2 Medium Complexity       DL 32.3 Mfg. Of television and radio receivers, sound or video recording or reproducing aparatus       19         8.2.1 Discrete Semiconductors       B.2.2 Medium Complexity       19       19         8.2.2 Medium Complexity       DL 32.4 Opti		K 74.8 Other business activities	35
7.7.1 Small Assemblies       radio receivers, sound or video         7.2 Printed Circuit Board Assembly       recording or reproducing apparatus         7.7.3 Cable Assembly       recording or reproducing apparatus         7.7.5 Logistical Services, Third Party       K 74.8 Other business activities       35         7.7.5 Logistical Services, Internal       K 74.8 Other business activities       35         7.8 Dusiness Services       R False Services       35         7.8 Logistical Services, Internal       K 74.8 Other business activities       35         7.8 Logistical Services       R False Logistica       35         7.9 General Support Services       DL 32.1 Mfg. of electronic valves and tubes and other electronic components       19         8.1.1 Discrete Semiconductors       B.1 Components       DL 32.2 Talephony mfg.       19         8.1.2 Integrade Circuits       and tubes and other electronic components and Subassemblies       19         8.2.3 Migh Complexity       radio receivers, sound or video recording or reproducing aparatus       19 <t< td=""><td></td><td>DL 22.2 Mfr. Of talevision and</td><td>10</td></t<>		DL 22.2 Mfr. Of talevision and	10
7.7.2 Printed Circuit Board Assembly       recording or reproducing apparatus         7.7.3 Cable Assembly       apparatus         7.7.4 Electromechanical Assembly       recording or reproducing apparatus         7.7.5 Logistical Services, Third Party       r.7.5 Logistical Services, Internal       K 74.8 Other business activities       35         7.8 Displaced Services       r.8.1 Financial Services       r.8.1 Financial Services       35         7.8 J Endical Services       r.9 General Support Services       35         7.10 e-Business Consulting       r.10 e-Business and Subassemblies       10         8.1 O Discrete Semiconductors       B.1 D Discrete Semiconductors       11         8.1.1 Discrete Semiconductors       DL 32.2 Telephony mtg.       19         8.2.2 Medium Complexity       DL 32.3 Mtg. Of television and radio receivers, sound or video recording or reproducing aparatus       19         8.2.1 Simple       DL 33.4 Optical Instruments and photographic equipment mtg.       19         8.2.2 Medium Complexity       B.2 Dictal Fiber and Devices       8.5.1 Optical Endices       19         8.5.2 Optical Enditer			19
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7.8.3 Training       K 74.8 Other business activities       35         7.8 4 Fleet Logistics       35         7.9 General Support Services       1         7.10 e-Business Consulting       1         7.11 Customer Assistance       19         8.1.0 Discrete Semiconductors       19         8.1.1 Discrete Semiconductors       19         8.1.2 Integrated Circuits       DL 32.1 Mfg. of electronic valves and other electronic components         8.1.2 Integrated Circuits       DL 32.2 Telephony mfg.         8.2.1 Simple       DL 32.3 Hfg. Ort Idevision and and receivers, sound or video recording or reproducing apparatus         8.2.1 Very High Complexity       radio receivers, sound or video recording or reproducing apparatus         8.2.1 Optical Fiber and Devices       DL 33.4 Optical Instruments and photographic equipment mfg.         8.5.2 Optical Fiber and Devices       S.5.2 Optical Devices         8.5.2.3 Optical Subassemblies       K 72.2 Software supply         8.6.1 Software Components       K 72.2 Software supply         8.6.2 Software Products       19         9.1 Voice       9.1 Voice         9.2 Wireless       114         9.3 Transport Networks       164.2 Telecommunications         9.4 Electromer Products       19         9.5 Internet Acceses       31      <			
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9.6 e-Business & Content Hosting         9.7 Bulk Transport         9.7.1 Infrastructure         9.7.2 Wholesale			
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9.7.2 Wholesale			
	9.7.1 Infrastructure		
9.8 Video Broadcast			
	9.8 Video Broadcast		

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.