DWPI Manual Code Revi	vision 2019 - (GMPI and E	PL Codes		
New / Changed / Retired		Date Range		Scope Notes	Keyword/Search Terms
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SECTION P Change Search Terms	P14-A99	(2015-)			Manure pouch, urine pouch, honey strainers, carriers, ear tag
	P81-T	(2015-)			
SECTION Q					
	Q32-T01B	(2012-)		Includes straps and cable ties. Use of cable ties in electronic equipment wiring or in cable installations in general is covered by V04-T01A and X12-G04A2 respectively.	
Change Scope Note	Q34-M99	(2012-)	Other electrical/electronic equipmen/parts j	Includes packaging of electrical beauty products (electric razors, massagers, etc.), batteries, solar/photovoltaic panels/cells, lightbulbs and tubes.	1
SECTION S		4			
	S03-E14J			Includes seeds, crops. Covers air quality, e.g. in workplace, hespitals and home. See S03 D06 also for pollution monitoring. Details of gas analysis and gas consers are also coded under S03 E14P.	O 13 Botton contaminant
	S03-E14N	, ,			Breathable, pollution, contaminant
Change Title/Scope Note/Search Terms	S03-E14P	(1997-)		Includes determining the components of a gas. See also S03-E02A and S03-E03 for electrical and electrochemical gas sensors, respectively. Details of air quality analysis (pollution) are coded under S03-E14N and S03-D06.	Gas detection
Change Search Terms	S03-E14P9	(1997-)) Gas sensors for other products	(pollution) are coded under 505-E14N and 505-500.	Livestock, poultry, SF6
			Other physical or chemical properties	3	Growth measurement
<u> </u>	S05-D01			For indicating and recording in general see also S02-K. For details of wearable computing / fitness sports training devices see also T01-M06A1D and W04-X01A1.	Electrode, data, display, monitor, physiological, process, image, probe, transducer
New	S05-M05	(2019-)) Pharmaceutical dispensing and delivery		Pharmacy, Dispensary
			systems		
	S05-P	, ,		systems, training and demonstration, and T01-J06A for data processing in medicine. See also P85-A codes, in particular P85-A01G, for non-electrical aspects.	Medical education, medical simulation, medical training
	S05-Y07	(2019-)	Manufacture of medical equipment	Includes manufacturing of diagnostic and surgical equipment.	
SECTION T	T01 00705	(4007)	The standard interference or even point	10. 70: 044 . 50:1014	201 201 7
Note/Search Terms	T01-C07C5	(1997-)	cards	· ·	PCI, PCI-X
Change Scope Note				Includes distributed ledger systems such as Blockchain.	
	T01-J07B	(1992-)	· ·		CAM, industrial robot, Industry 4.0
Note/Search Terms	1		Quality Control (QC)	also T06-A, T06-D and X25-A codes.	
Change Title/Scope Note/Search Terms	T01-N01A1	(2002-)) Financial technology systems	T01-H07C5E prior to 2002). See also T05-L for POS systems in general.	FinTech, bitcoin, altcoin, Ethereum, electronic funds transfer (EFT), digital wallet
	T01-N01D3A	(2012-)		Includes network systems where applications are run using a virtual system from remote locations, such as Software as a Service (SaaS), Infrastructure as a Service (laaS).	Cloud Computing, Virtualization, Virtual Desktop, Citrix (RTM)
	T01-N02B3	(2007-)			Anti-Virus, Anti-Spyware, Trojan, Worm, Hacking
	T03-A08A1C	(1992-)	Hard disk drive	This code is used as the default reference for a 'hard disk drive'. Card type, or similar small form factor magnetic disk drives used within equipment are covered by T03-A08A1E and external hard disk drives by T03-A08A1G (from 2012), both of which are assigned instead of T03-A08A1C. Please note that since T03 codes cover dynamic recording systems only, SSDs and similar solid-state replacements for hard disk drives are not assigned this code and are instead covered by T01-H01B3 codes.	
Change Title/Scope Note/Search Terms	T05-L01C3	(2006-)	Using mobile electronic device	Contactless payments using smartphone or other mobile device incorporating RFID/transponder technology. See also T04-K and W02 for RFID/transponders in general.	Digital wallet
Change Title/Scope	T05-L02	(1992-)	' ' '	Includes Electronic Funds Transfer (EFT) and digital wallet systems. See T01-N01A1 for Computer/Internet aspects and W01-C05B3C for telephone line data transmission	
Note Change Search Terms	T06-D03C	(1983-)			Looms, knitting machines, wefting machines,
Na	T06-D06A	(2010-)	Direction control	See also X25-A03R and X25-A03F for riveter control. See T06-D20 prior to 2018.	warping machines, weaving, textile manufacture
	T06-D06A T06-D20	(2019-) (1997-)		See also X25-A03R and X25-A03F for riveter control. See 106-D20 prior to 2018. Includes drying (see X25-G), etc. From 2011 control of presses is transferred to T06-D05A2. From 2019 control of riveting machines is transferred to T06-D06A (see also X25-	+
		(100.		A03R).	
SECTION U				The state of the s	
Change Scope Note	U11-A15	(1992-)		Also includes other novel luminescent materials used in semiconductor devices, e.g. phosphors, photoluminescent and fluorescent materials. See U14-J codes for electroluminescent devices and displays (structure, circuits, manufacture).	
Change Scope Note	U11-C01A1	(1987-)		Arc evaporation, thermal vacuum evaporation using e.g. resistive heating, or inductive (RF) heating.	
Change Scope Note	U11-C18B9	(1992-)	Complete manufacture of other devices	Includes manufacture of e.g. SAW devices (see also U14-G), field emitting structures (see also U12-B03D), superconductive devices (see also U14-F02B), photovoltaic devices (see also U12-A02).	
Change Title/Scope Note	U11-D01A8	(1987-)) Wafer level package	Includes chip packaging on wafer.	
Change Scope Note	U12-A01A1	(1992-)	Semiconductor structure of individual LED	Covers chip layer structure of LED. See U12-A01A4 for LED package structure.	
Change Scope Note	U12-A01A4A	A (2005-)	Packages for white LEDs	Covers package aspects for white LEDs, including phosphors for white LEDs.	
	U12-A01A4B	3 (2006-)	Packages for coloured LEDs	Covers package aspects for red, green or blue and other non-white LEDs, including phosphors for coloured, non-white LEDs.	
Change Scope Note	U12-A02A3	(1987-)	Characterized by solar cell manufacture	Used instead of U12-A02A2 section if material manufacturing details are emphasized. (See also U11-C18B9 for photovoltaic devices manufacture).	
SECTION V	1 - 1/045	4			
Change Search Terms	V06-V01E	(2007-)	Resonators	Includes electromechanical resonators. For networks using resonators, see U25-B codes also.	Oscillators, crystal resonators, elastic wave resonators

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SECTION W									
Change Scope Note/Search Terms	W04-V07	Ì	,		Active noise control, air conditioning, ANC, channel, duct, machine, vehicle				
Change Scope Note	W04-V07C			This code covers signal processing aspects of sound cancelling systems, normally involving a microphone to sense ambient noise sounds. It includes systems using acoustic cancellation based on antiphase sound waves emitted from a loudspeaker and systems in which electronic cancellation is performed using audio signals alone, which from 2018 are covered by W04-V07C1. See U22-G codes also, e.g. U22-G01A5 for adaptive filters, and U22-G03 codes for details of DSP in general (also assigned codes in T01-J08).					
New	W04-V07C1	` ,		This code covers arrangements for cancelling or reducing unwanted sounds based on electronic subtraction of corresponding unwanted signals from a wanted audio signal, rather than generation of antiphase sound waves. For application to noise-cancelling headphones search with V06-V04A4.					
Change Scope Note	W05-D	'	or control signals		Remote actuation, control, remote operation, remote monitoring, process-variable transmission systems				
Change Scope Note			Internet-based transmission for IoT communication	This code covers the use of the internet as a measurement or control signal transmission medium specifically for 'internet of things' (IoT) applications. Please note that W05-D06E1 codes are assigned for inventions where some aspect of control or measurement signal transmission is significant and not for all aspects of equipment that may be capable of operating in such a system for which codes for the equipment itself should be used. Additional W05-D06 codes are assigned for significant details such as intermediate arrangements for connecting to the internet but please note that use of wireless data networks is indicated by W05-D06E1A and use of cellular communications networks by W05-D06E1C. Search with W05-D07 codes for specific applications, e.g. with W05-D07A for home automation systems using IoT technology or with W05-D07B for use in factory automation including Industry 4.0 applications.					
Change Scope Note	W05-D06E1A	'			6LoWPAN, BLE, Bluetooth®, LoRaWAN, Thread, wireless LAN, SigFox, WLAN, Z-wave, Zigbee®				
Change Scope Note/Search Terms	W05-D07B	(1992-)		Industry 4.0 data communications, W05-D06E1 codes are also assigned. Control systems-related data communications arrangements in general are also assigned T06-A11. Total factory control in general is covered by T06-A04A2A when based on numerical control and for non-NC systems by T06-A04B7.	Cyber-physical systems, digital manufacturing, FA, fieldbus, IEC 61158, inventory, process control, process monitoring, production line, smart factory, total factory control				
New	W06-C01S	(2019-)		Includes all aspects of ship safety such as roll-over prevention, ballast control to improve stability etc. Navigational equipment that can prevent grounding or collision can be covered in W06-C01B1. Also see Q24-B09 for mechanical details of ship emergency/safety equipment. See W06-C10 and Q24-X01 codes instead for lifesaving in water equipment.					
Change Search Terms	W06-C07C	(2016-)			Marker buoy, lighthouse, lightship, navigation marker, radio beacon				
SECTION X									
	X12-C01D2	` '		Includes winding, insulating and connecting leads of coils for power transformers and reactors. Manufacture of insulating materials themselves when not part of the process of manufacturing windings is covered by X12-C01B codes and appropriate X12-E codes.					
Change Scope Note	X12-D03B1	(1992-)		Includes repair of sheaths for which the general 'cable repair' code X12-G01D is also assigned. Repair of a cable sheath in the sense of rectification during manufacture is covered by X12-D07A.	Jacket				
Change Scope Note	X15-A02X		Other solar/photovoltaic panels/cells	Includes mechanical details of roof structures. Mechanical details of solar/photovoltaic panels, modules or tiles are coded under X15-A02C only. Includes wiring to solar battery, details of junction boxes (also covered by V04-B09 and X12-G04B codes), and cooling arrangements, Solar module packing.					
New	X15-A15		Manufacture, Servicing and Maintenance (solar power)						
New	X15-B15			Includes manufacture, servicing and maintenance details of wind power energy plants. This code is used in conjunction with other X15-B codes as appropriate.					
New	X15-C15			Includes manufacture, servicing and maintenance details of either wave power and/or tide energy plants. This code is used in conjunction with other X15-C codes as appropriate.					
Change Title/Scope Note	X15-W		Constructional details, Manufacture,	Includes constructional, manufacturing, servicing and maintenance details for all X15 sections other than X15-A (solar power), X15-B (wind power) and X15-C (sea power). This code is used in conjunction with other X15-D to X15-X codes as appropriate.					
	X25-A03R			See also T06-D06A and X25-A03F for riveter control. See X25-X prior to 2018.					
		(2016-)		Inkjet technology is also coded under S06-G10.	FDM (RTM), extruders, extrusion tips, fused filament fabrication, FFF				
	X25-B01C3C				Mattress				
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