

Item	Reference Previous Pre-approved Code	Product Name	Reason for Delisting
1	PBS18-004	Autodesk CFD- Premium Commercial New Multi-user ELD Subscription	Software vendor's decision
2	PBS18-012	Dynamo Studio Commercial New Single-user ELD Subscription	Software vendor's decision
3	PBS18-021	Bentley LumenRT with SELECT Subscription	Software vendor's decision
4	PBS20-002	Cupix	Software vendor's decision
5	PBS20-010	BIMDECO Series - DecoDesign, DecoQuantity &DecoEngineer	Software vendor's decision
6	PBS18-029	EcoDesigner STAR International Commercial Single / Net License	Software vendor's decision
7	PBS19-021	ARCHICAD International Commercial Single / Net License with SSA / Forward, CodeMeter Keyplug for Archicad, plus EcoDesigner STAR International Commercial Single / Net License	Software vendor's decision
8	PBS18-044	Vico Office	Software vendor's decision
9	PBS18-046	QIM5D	Software vendor's decision

Item	Reference Previous Pre-approved Code	Course Title	Reason for Delisting
1	PBT19-076	BIM Project Integration with SketchUp, Sefaira & Trimble Connect	Course Organiser's decision
2	PBT19-020	Open BIM Training	Course Organiser's decision
3	PBT19-025	5DBIM/ QIM Training	Course Organiser's decision
4	PBT19-011	BIM Practitioner-Mechanical, Electrical and Plumbing (MEP) Training Course (Intermediate Level)	Course Organiser's decision
5	PBT20-048	buildingSMART Professional Certification Foundation -openBIM® Program (Part 2)	PBT20-048 is now combined with PBT20-047 and no longer available

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1	PA18-004	Exhaust Air Treatment Device	AFT Exhaust After Treatment System for Non-road Mobile Machinery	1. No approved applications as of 31 Oct 2023; 2. Product admitted to the Pre-approved List for more than 3 years
2	PA18-007	Safety Monitoring System	Construction Stage Tunnel Access Control System (TACS)	1. No approved applications as of 31 Oct 2023; 2. Product admitted to the Pre-approved List for more than 3 years
3	PA18-008	3D Reality Simulation / Data Management	3DM Analyst Mine Mapping Suite	1. No approved applications as of 31 Oct 2023; 2. Product admitted to the Pre-approved List for more than 3 years
4	PA18-010	Waterproofing Material	Growscal Nano-brush Coat	1. No approved applications as of 31 Oct 2023; 2. Product admitted to the Pre-approved List for more than 3 years
5	PA18-015	Automatic Bar Cutting Machine	300T Shear Line Model: DT-3210	1. No approved applications as of 31 Oct 2023; 2. Product admitted to the Pre-approved List for more than 3 years
6	PA18-018	Automatic Bar Bending Machine	Y25 Auto Bending Machine (5 Benders) Model: DT-B5-8	1. No approved applications as of 31 Oct 2023; 2. Product admitted to the Pre-approved List for more than 3 years
7	PA18-020	Automatic Bar Bending Machine	Y16 Auto Stirrup Machine Model: DT-BD16L	1. No approved applications as of 31 Oct 2023; 2. Product admitted to the Pre-approved List for more than 3 years
8	PA18-022	Automatic Bar Bending Machine	Bending Center, Model Number: Robot 60	1. No approved applications as of 31 Oct 2023; 2. Product admitted to the Pre-approved List for more than 3 years
9	PA18-023	Automatic Bar Cutting Machine	Shear Line, Model Number: XQ120, GJW1240, GJW150B	1. No approved applications as of 31 Oct 2023; 2. Product admitted to the Pre-approved List for more than 3 years
10	PA18-024	Automatic Bar Bending Machine	Bending Center, Model Number: G2L32, G2W50	1. No approved applications as of 31 Oct 2023; 2. Product admitted to the Pre-approved List for more than 3 years
11	PA18-025	Pile Cage Machine	Pilemaster III	1. No approved applications as of 31 Oct 2023; 2. Product admitted to the Pre-approved List for more than 3 years
12	PA18-026	Automatic Bar Bending Machine	PBX - Polybend	1. No approved applications as of 31 Oct 2023; 2. Product admitted to the Pre-approved List for more than 3 years
13	PA18-027	Automatic Bar Cutting Machine	Fully Automatic Cutting Machine for Steel Rebar Brand: Dar Hung Machinery	1. No approved applications as of 31 Oct 2023; 2. Product admitted to the Pre-approved List for more than 3 years
14	PA18-029	3D Reality Simulation / Data Management	SV Map	1. No approved applications as of 31 Oct 2023; 2. Product admitted to the Pre-approved List for more than 3 years
15	PA18-032	Safety Monitoring System	Visual Intelligence Safety Compliance Monitor (VISCOM) system	1. No approved applications as of 31 Oct 2023; 2. Product admitted to the Pre-approved List for more than 3 years
16	PA18-037	Concrete Slab Substituting Material	MatrixDeck Panel Configuration Models A200 to A850	1. No approved applications as of 31 Oct 2023; 2. Product admitted to the Pre-approved List for more than 3 years
17	PA19-002	Demolition Robot	Brokk Demolition Robots Model: B60, B800S	1. The discontinued model is delisted.
18	PA19-004	Force, Underground Water Level, Inclination, and Environmental Monitoring Sensor	Automated Internet of Things (IoT) Construction Monitoring Devices and Monitoring System	1. No approved applications as of 31 Oct 2023; 2. Product admitted to the Pre-approved List for more than 3 years
19	PA19-007	Automatic Bar Bending Machine	Automatic Cutting and Bending Machine for Steel Rebar Model: Smart 13 Coil	1. No approved applications as of 31 Oct 2023; 2. Product admitted to the Pre-approved List for more than 3 years
20	PA19-008	Automatic Bar Bending Machine	Automatic Cutting and Bending Machine for Steel Rebar Model: Smart 13 Bar	1. No approved applications as of 31 Oct 2023; 2. Product admitted to the Pre-approved List for more than 3 years
21	PA19-009	Automatic Bar Bending Machine	Automatic Bending Machine for Steel Rebar Model: Robo Smart 45	1. No approved applications as of 31 Oct 2023; 2. Product admitted to the Pre-approved List for more than 3 years
22	PA19-012	Hydro-demolition Robot	Aquajet Aqua Cutter 710H	1. No approved applications as of 31 Oct 2023; 2. Product admitted to the Pre-approved List for more than 3 years
23	PA19-013	Movement Sensors	UtterBerry	1. No approved applications as of 31 Oct 2023; 2. Product admitted to the Pre-approved List for more than 3 years
24	PA19-015	Automatic Bar Bending Machine	Bi-directional automatic stirrup bender from coil Model: Schnell Prima 13	1. No approved applications as of 31 Oct 2023; 2. Product admitted to the Pre-approved List for more than 3 years
25	PA19-016	Automatic Bar Bending Machine	Bi-directional automatic stirrup bender from coil Model: Schnell Coil 16	1. No approved applications as of 31 Oct 2023; 2. Product admitted to the Pre-approved List for more than 3 years
26	PA19-021	Automatic Bar Bending Machine	High-speed automatic stirrup machine Model: OSCAM Multibend 16 Bar	1. No approved applications as of 31 Oct 2023; 2. Product admitted to the Pre-approved List for more than 3 years
27	PA19-023	Stone Slab Scanning & Cutting Machine	Informatization Production 3P Solution (Scanner, Planning, Software, Intelligent Cutting Machine) for Marble & Stone Model: KTS2200-1S	1. No approved applications as of 31 Oct 2023; 2. Product admitted to the Pre-approved List for more than 3 years
28	PA19-034	Project Management Software (DWSS-related)	Inspecto	1. No approved applications as of 31 Oct 2023; 2. Product admitted to the Pre-approved List for more than 3 years
29	PA19-038	Paint Spraying Robot	Paintbot	1. No approved applications as of 31 Oct 2023; 2. Product admitted to the Pre-approved List for more than 3 years

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30	PA19-043	3D Reality Simulation / Data Management (CDE-related)	GeoConnect+ Common Data Environment	1. No approved applications as of 31 Oct 2023; 2. Product admitted to the Pre-approved List for more than 3 years
31	PA19-047	Safety Monitoring System	InfoSMART™ Attend – Real Time Manpower Attendance in-site Record System	1. No approved applications as of 31 Oct 2023; 2. Product admitted to the Pre-approved List for more than 3 years
32	PA20-008	Digital Layout Tools	Leica iCON iCR80 Robotic Total Station	1. No approved applications as of 31 Oct 2023; 2. Product admitted to the Pre-approved List for more than 3 years
33	PA20-010	3D Reality Simulation / Data Management (CDE-related)	Jarvis BIM Cloud Platform Common Data Environment	1. No approved applications as of 31 Oct 2023; 2. Product admitted to the Pre-approved List for more than 3 years
34	PA20-012	Unmanned Vessel for Under Water Surveying	Unmanned Surface Vessel Model: SOUTH SL20	1. No approved applications as of 31 Oct 2023; 2. Product admitted to the Pre-approved List for more than 3 years
35	PA20-017	Digital Layout Tools	Topcon Layout Navigator LN-100	1. No approved applications as of 31 Oct 2023; 2. Product admitted to the Pre-approved List for more than 3 years
36	PA20-019	Material Lifting Machine	Wienold-LIFTE Material Lift Model nos.: GML-C/600, GML-C/800, MFC750	1. No approved applications as of 31 Oct 2023; 2. Product admitted to the Pre-approved List for more than 3 years
37	PA20-022	Paint Spraying Robot	PICTOBOT	1. No approved applications as of 31 Oct 2023; 2. Product admitted to the Pre-approved List for more than 3 years
38	PA20-023	Inspection Robot	QUICABOT	1. No approved applications as of 31 Oct 2023; 2. Product admitted to the Pre-approved List for more than 3 years
39	PA20-024	Project Management Software (DWSS-related)	SIMple	1. No approved applications as of 31 Oct 2023; 2. Product admitted to the Pre-approved List for more than 3 years
40	PA20-026	Exoskeleton	BIAVE – Bio-Inspired Anti-Vibration Exoskeleton	1. No approved applications as of 31 Oct 2023; 2. Product admitted to the Pre-approved List for more than 3 years
41	PA20-027	Formwork System	Ming Tai Smart Formwork Aluminum Tableform System	1. No approved applications as of 31 Oct 2023; 2. Product admitted to the Pre-approved List for more than 3 years
42	PA20-030	Laser Scanner	Orica-GroundProbe Geotechnical Monitoring LiDAR (GML) Technology – GroundProbe Laser Scanner	1. No approved applications as of 31 Oct 2023; 2. Product admitted to the Pre-approved List for more than 3 years
43	PA20-034	3D Reality Simulation / Data Management (CDE-related)	MissionOS	1. No approved applications as of 31 Oct 2023; 2. Product admitted to the Pre-approved List for more than 3 years
44	PA20-036	Waterproofing Material	Growseal Versatile Nano-modified Cementitious Crystalline Waterproofing Material	1. No approved applications as of 31 Oct 2023; 2. Product admitted to the Pre-approved List for more than 3 years
45	PA20-037	Automatic Bar Bending Machine	Y16 Automated Bending Machine (5 Benders) Model: BM-D16*5	1. No approved applications as of 31 Oct 2023; 2. Product admitted to the Pre-approved List for more than 3 years
46	PA20-040	Movement Sensors	4DBloc (Deformation Monitoring Device)	1. No approved applications as of 31 Oct 2023; 2. Product admitted to the Pre-approved List for more than 3 years
47	PA20-042	Digital Layout Tools	Robotic Total Station DS2011	1. No approved applications as of 31 Oct 2023; 2. Product admitted to the Pre-approved List for more than 3 years
48	PA20-048	Waste-water cooled Air Conditioning System	emMiC Stormwater Air Conditioning System	1. No approved applications as of 31 Oct 2023; 2. Product admitted to the Pre-approved List for more than 3 years
49	PA20-049	Project Management Software (DWSS-related)	Jobs Approve Application Flow Management System	1. No approved applications as of 31 Oct 2023; 2. Product admitted to the Pre-approved List for more than 3 years
50	PA20-053	Industrialised Process – Robotic Welding #	Industrialised Process - Robotic Welding for Ductile Iron Pipes	1. No approved applications as of 31 Oct 2023; 2. Product admitted to the Pre-approved List for more than 3 years
51	PA20-054	Industrialised Process – Robotic Welding #	Industrialised Process - Robotic Welding for Black Steel Pipes	1. No approved applications as of 31 Oct 2023; 2. Product admitted to the Pre-approved List for more than 3 years
52	PA20-062	Unmanned Vessel for Under Water Surveying	Unmanned Surface Vessel iBoat BS2	1. No approved applications as of 31 Oct 2023; 2. Product admitted to the Pre-approved List for more than 3 years
53	PA20-063	Lifting Crane	Cormach Truck Mounted Crane 240000AX E series	1. No approved applications as of 31 Oct 2023. 2. Product admitted to the Pre-approved List for more than 3 years.
54	PA20-065	Movement Sensors	Loadsensing Wireless Monitoring System	1. No approved applications as of 31 Oct 2023; 2. Product admitted to the Pre-approved List for more than 3 years
55	PA20-066	Drone	UAV-based LiDAR System Z-Lab librid 6	1. No approved applications as of 31 Oct 2023; 2. Product admitted to the Pre-approved List for more than 3 years
56	PA20-067	3D Reality Simulation / Data Management	Drone2Map for ArcGIS (Standard)	1. No approved applications as of 31 Oct 2023; 2. Product admitted to the Pre-approved List for more than 3 years
57	PA20-068	3D Reality Simulation / Data Management (CDE-related)	ArcGIS Enterprise Standard	1. No approved applications as of 31 Oct 2023; 2. Product admitted to the Pre-approved List for more than 3 years
58	PA20-071	3D Reality Simulation / Data Management	DAARWIN: On-line Platform for Geotechnical Observational Method Implementation	1. No approved applications as of 31 Oct 2023; 2. Product admitted to the Pre-approved List for more than 3 years

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59	PA20-072	3D Reality Simulation / Data Management (CDE-related)	AlphaBIM Project Management and Control Platform	1. No approved applications as of 31 Oct 2023; 2. Product admitted to the Pre-approved List for more than 3 years
60	PA20-077	3D Reality Simulation / Data Management	GXBIM	1. No approved applications as of 31 Oct 2023; 2. Product admitted to the Pre-approved List for more than 3 years
61	PA20-078	Project Management Software (DWSS-related)	Construction Resource Planning	1. No approved applications as of 31 Oct 2023; 2. Product admitted to the Pre-approved List for more than 3 years
62	PA20-079	3D Reality Simulation / Data Management (CDE-related)	G-Site	1. No approved applications as of 31 Oct 2023; 2. Product admitted to the Pre-approved List for more than 3 years
63	PA20-080	3D Reality Simulation / Data Management	SkylineGlobe - TerraBuilder	1. No approved applications as of 31 Oct 2023; 2. Product admitted to the Pre-approved List for more than 3 years
64	PA20-081	3D Reality Simulation / Data Management (CDE-related)	SkylineGlobe - TerraExplorer (Desktop, Web and Mobile) SkylineGlobe - CityBuilder	1. No approved applications as of 31 Oct 2023; 2. Product admitted to the Pre-approved List for more than 3 years
65	PA20-082	3D Reality Simulation / Data Management (CDE-related)	SkylineGlobe - SkylineGlobe Server	1. No approved applications as of 31 Oct 2023; 2. Product admitted to the Pre-approved List for more than 3 years
66	PA20-083	3D Reality Simulation / Data Management	SkylineGlobe - PhotoMesh	1. No approved applications as of 31 Oct 2023; 2. Product admitted to the Pre-approved List for more than 3 years
67	PA20-085	Safety Monitoring System	BLE Material & Attendance Tracker	1. No approved applications as of 31 Oct 2023; 2. Product admitted to the Pre-approved List for more than 3 years
68	PA20-087	Drone	Rotary Unmanned Aerial Vehicle SP1-MKIV	1. No approved applications as of 31 Oct 2023; 2. Product admitted to the Pre-approved List for more than 3 years
69	PA20-095	3D Reality Simulation / Data Management	Point Layout Commercial New ELD Subscription	1. No approved applications as of 31 Oct 2023; 2. Product admitted to the Pre-approved List for more than 3 years
70	PA20-099	3D Reality Simulation / Data Management (CDE-related)	ProjectWise Connect Edition	1. No approved applications as of 31 Oct 2023; 2. Product admitted to the Pre-approved List for more than 3 years
71	PA20-100	3D Reality Simulation / Data Management (CDE-related)	Bricsys 24/7 Project Collaboration Platform (Cloud based)	1. No approved applications as of 31 Oct 2023; 2. Product admitted to the Pre-approved List for more than 3 years