

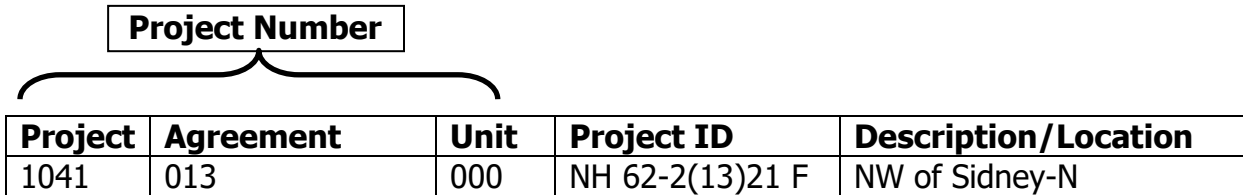
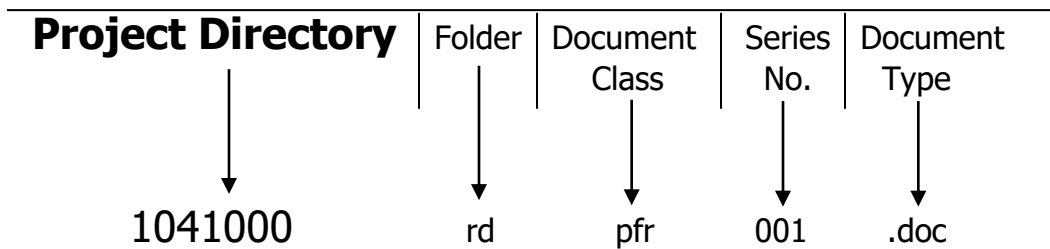


# Project Content Management System (PCMS) Document Naming Standards

Revised December 2021

## File Names in PCMS

MDT uses a naming structure for all electronic project files:

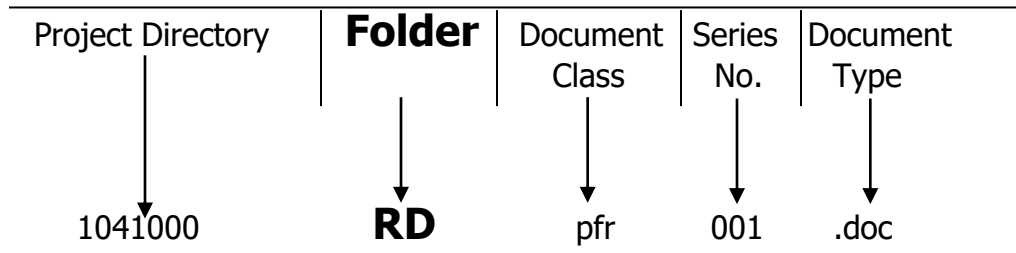


A Project Number is comprised of three things:  
Project, Agreement and Unit.

The PCMS file name tells PCMS which Project directory and folder the file is associated with in the project file database store.

A PCMS directory is assigned as soon as PPMS recognizes a Project Number – note: when funding has been identified. Documents can be stored as soon as a PCMS Directory is available; however, this does not indicate authorization for work has been received.

## Folder

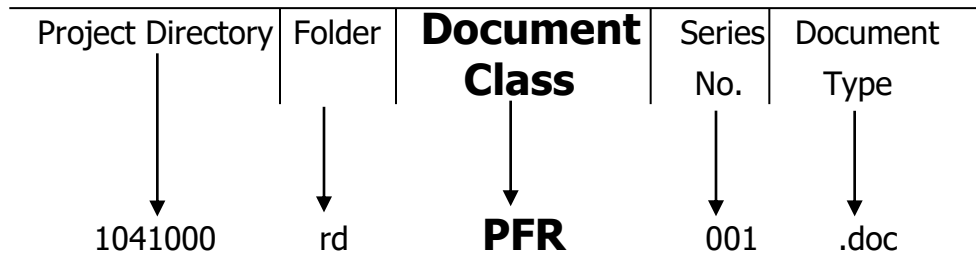


**The work area creates and maintains the document and manages them in the appropriate folder for the work area. The available folders are shown below.**

<u>Sorted by Name</u>	
Alternative Contracting	AC
As-Builts	AB
Bridge	BR
Combined Survey	CS
Construction	CO
Consultant Design	CD
Contract Plans	CP
District Survey	DI
Eng Oversight	EO
Environmental	EN
Geotechnical	GT
Hydraulics	HY
Materials	MT
Matls Pav Ec	MA
MDT CIS Inclusive	CZ
PCMS Support	PS
Photogrammetry	PH
Planning	PL
Planning Project & Policy	PP
Research	RS
Right-Of-Way Design	RO
Right-Of-Way Utilities	UT
Road Design	RD
Safety Management	SF
Spec Stuff	SS
Surfacing Design	SD
Survey	SU
Traf Invest.	IN
Traffic Electrical	EL
Traffic Geometrics (Design)	GE
Traffic Operations	TO
Traffic Safety	SA
Traffic Signing	SI
Visualization	VI

<u>Sorted by Abbreviation</u>	
AB	As-Builts
AC	Alternative Contracting
BR	Bridge
CD	Consultant Design
CO	Construction
CP	Contract Plans
CS	Combined Survey
CZ	MDT CIS Inclusive
DI	District Survey
EL	Traffic Electrical
EN	Environmental
EO	Eng Oversight
GE	Traffic Geometrics (Design)
GT	Geotechnical
HY	Hydraulics
IN	Traf Invest.
MA	Matls Pav Ec
MT	Materials
PH	Photogrammetry
PL	Planning
PP	Planning Project & Policy
PS	PCMS Support
RD	Road Design
RO	Right-Of-Way Design
RS	Research
SA	Traffic Safety
SD	Surfacing Design
SF	Safety Management
SI	Traffic Signing
SS	Spec Stuff
SU	Survey
TO	Traffic Operations
UT	Right-Of-Way Utilities
VI	Visualization

## Document Class



**Document Class codes are used to categorize documents. Document Class is a technique to broadly associate the document’s purpose.**

### Numbers

101 Dtl. Dwg. - Definitions and Terms  
 203 Dtl. Dwg. - Excavation and Embankment  
 208 Dtl. Dwg. - Erosion Ctrl. and Stream Preservation  
 2DM Bridge 2-D Modeling (Various Software)  
 301 Dtl. Dwg. - Aggregate Surfacing  
 318 Environmental 318 Permit  
 401 Dtl. Dwg. - Cold Milling  
 404 Environmental 404 Permit  
 411 Dtl. Dwg. - Rumble Strips  
 4FB 4(f) Form for Bridges  
 4FD De Minimis 4(f) Documentation  
 4FE Full 4(f) Evaluations  
 4FH 4(f) Form for Historic Sites  
 4FR 4(f) Form for Recreational Areas  
 501 Dtl. Dwg. - Portland Cement Concrete Pavement  
 552 Dtl. Dwg. - Concrete Structures  
 603 Dtl. Dwg.- Culverts, Storm Drains, Sewers, etc.

604 Dtl. Dwg. - Manholes and Inlets  
 605 605-Dtl. Dwg. - Concrete Barrier Rail  
 606 Dtl. Dwg. - Guardrail and Median Barrier Rail  
 607 Dtl. Dwg. - Fences  
 608 Dtl. Dwg. - Concrete Sidewalks  
 609 Dtl. Dwg. - Curbs and Gutters  
 610 Dtl. Dwg. - Roadside Re-Vegetation  
 611 Dtl. Dwg. - Cattle Guards  
 613 Dtl. Dwg. - RipRap, Slope and Bank Protection  
 615 Dtl. Dwg. - Irrigation Facilities and Headwalls  
 617 Dtl. Dwg. - Traffic Signals and Lighting  
 618 Dtl. Dwg. - Traffic Control  
 619 Dtl. Dwg. - Signs, Delineators and Guideposts  
 620 Dtl. Dwg. - Pavement Marking Application  
 621 Dtl. Dwg. - Remove, Re-Set and Adjust Facilities  
 623 Dtl. Dwg. - Mailboxes  
 6FE LWCF 6(f) Documentation

900	Dtl. Dwg. - Miscellaneous	BMB	Beam Details (Bulb-T)
		BNT	Bent or Abutment
		BOR	Bureau of Reclamation
<b>A</b>		BPL	Bridge Pile Loads
AAB	Adopt-A-Bridge Program	BRK	R/W Break Coord
ABS	Control Abstract	BRR	Biological Resources
ACP	Access Control Plans	BSB	Permits and Correspondence for Butte Silver Bow County
ADD	Addendum		
ADL	Permits and Correspondence for Anaconda Deer Lodge County	<b>C</b>	
AFR	Aquatic Finding Report	CAD	Cadastral
AGR	Alignment & Grade Review	CAG	County Agreement
AIR	Air Quality	CAM	Camber Diagram
ALC	Aquatic Lands Conservation Ordinance Permit-CSKT	CDR	Geotech Consultant Design Report
ALL	All Information Compiled Into One File	CDS	Geotech Consultant Design Supplemental
ALN	Alignment Information	CEC	Group C Categorical Exclusion
ALP	Aquatic Lands Protection Ordinance Permit-Blackfeet	CED	Group D Categorical Exclusion
ANC	Ancillary	CEL	Project Related Cell Library
AND	Analysis Data	CEM	Categorical Exclusion MEPA
ANM	Animal Data - Maintenance	CGP	Contour Grading Plan
ANR	Animal Data - MT Highway Patrol	CHC	Channel Change
AOP	Aquatic Organism Passage	CHK	Check File
ARC	Building Architectural Plans	CHO	Change Order Information
ARE	Area	CIN	Consultant Invoices
ASB	Asbestos Inspection Report	CLM	Claim
ASU	Additional Survey	CLV	Culverts
ATH	Authorization Documentation	CMA	Contour Map
AUD	Audio	COE	Cover Letter
AWD	Awarded Contract	COL	Collision Diagram
<b>B</b>		CON	Control Survey
BAA	Bridge Adoption	COR	Core Logs
	Correspondence or Agreement	COS	Certificate of Surveys
BAR	Biological Assessment	CPR	Consultant Plans Review
BAS	R/W Baseline	CPS	Contract Plans Submittal - Signing
BBD	Bar Bend Detail	CPT	Compaction Report
BHL	Borehole Locations	CRD	Comment Response Document
BHM	Borehole Materials	CRE	Construction Report
BIA	Bureau of Indian Affairs	CRI	Criteria File
BLM	Bureau of Land Management	CRR	Corridors File
		CRT	Certification Memo

CSL Culvert Service Life  
 CSP Correspondence  
 CSU Contractor Submittal  
 CTA Contract Time Adjustment  
 CTC Contract Time Calculation  
 CUL Cultural Resources

**D**

DCP Dynamic Cone Penetrometer  
 Results  
 DEQ Department of Environmental  
 Quality  
 DER Design Exception Report  
 DET Detail Sheets  
 DEX Detail Exhibit Sheet  
 DGR Deck Grid  
 DIA Diaphragm Details  
 DNR Department of Natural  
 Resources  
 DPR Design Parameter Report  
 DSD Drilled Shaft Details  
 DSI Detailed Site Investigation  
 DSN Design Spreadsheet  
 DST Autodesk Sheet Set  
 DTM Digital Terrain  
 DTP Digital Terrain/Planimetric  
 DTS Detail Sheets - Safety Signing

**E**

EAS Environmental Assessment  
 EAV End Area Volume  
 ECF Existing Culvert File  
 EEX Enlarged Exhibit Sheet  
 EFF Existing Feature File  
 EIS Environmental Impact  
 Statement  
 EJD Expansion Joint Detail  
 ELD Experimental Layout Design  
 ELE Building Electrical Plans  
 EMR Environmental Monitoring  
 Report  
 ENV Notice of Violation  
 EPA Environmental Protection  
 Agency

EPL Erection Plans  
 EQU Equation File  
 ERO Erosion Control Plans  
 ERT Erosion Control Title Sheet  
 ESE Engineering Study Evaluation  
 EST Project Cost Estimate  
 ETR Existing 3D Terrain Model  
 EVA Evaluations  
 EWK Earthwork  
 EXH Exhibit Sheet  
 EXP Existing Plans

**F**

FHW Federal Highway  
 Administration  
 FIN Final Report  
 FNL Final Plans  
 FON Finding of No Signification  
 Impact  
 FPA Floodplain Permit Application  
 FPG Detailed Drawings Frame  
 Page  
 FPL Footing Plan  
 FPP Flood Plain Permit  
 FPR Final Plans Review  
 FSC Final Surfacing Design Check  
 FSS Final Surfacing Sections  
 FWP Montana Fish, Wildlife & Parks  
 FWS United States Fish & Wildlife  
 Service  
 FXP Fencing Plans  
 FXS Final Cross Sections  
 FXT Fencing Title Sheet

**G**

GBL Geotechnical Boring Log  
 GDM Geotechnical Design Memo  
 GDS Geotechnical Design  
 Supplemental  
 GEN General Layout  
 GIR Girder Details  
 GLS Geotechnical Lab Summary  
 GPA GeoPak Survey Archive File  
 GVL Gravel Pit

**H**

HDS Hydraulic Data Summary  
 HGY Hydrology Calculation or Modeling  
 HHM Highway Historical Markers  
 HLC Hydraulic Legal Claim  
 HPO State Historical Preservation Office  
 HRB Historic Roads and Bridges  
 HSU Hydraulic Survey  
 HY8 HY-8 File

**I**

IMA IMA Hardcoded  
 INV Signing Inventory  
 IRR Irrigation Design  
 ISA Initial Site Assessment  
 IWG Interagency Wetland Group

**J**

JNT Joint Details  
 JOB Geopak Coordinate Geometry

**K**

KCA Caice Archive File

**L**

LAY Cross Section Layout  
 LCA Life Cycle Analysis  
 LED PCE Applicability (level of Enviro documentation)  
 LHS Location Hydraulic Study Report  
 LNC Legacy - Not Classified  
 LNG Longitudinal Sections  
 LOC Project Location Maps  
 LOD LANDOWNER DATABASE  
 LPM LPILE Lateral Load Analysis Input File  
 LSD Landscaping Detail Sheet  
 LSP Landscaping Plan Sheet

LVL Level of Environmental Document Form

**M**

MAN Manual  
 MAP Map File  
 MAS Mass Diagram  
 MBA Migratory Birds  
 MDE Miscellaneous Details  
 MDL Geopak 3d Modeling  
 MEC Building Mechanical Plans  
 MEM MDT Memo  
 MFC Individual Map Feature Coding  
 MGP Geopak Manual  
 MOD Modeling Files  
 MOS Mosaic Image File  
 MPD Environmental MPDES Permit  
 MS4 Municipal Separate Storm Sewer System (MS4) Documentation  
 MWD Miscellaneous Work Documents  
 MXG Mammal Crossing

**N**

NCF Non-conventional File  
 NDT Non-Destructive Testing Results  
 NEZ Northing, Easting, Elevation  
 NOI Notice of Intent  
 NOS Noise Study  
 NPS National Park Service  
 NRC Natural Resources and Conservation Service  
 NWR News Release

**O**

OHW Ordinary High Water Mark Survey  
 OPH Orthophoto  
 OWN Ownership Sheet

**P**

PBC Reinforced Precast Box Culvert

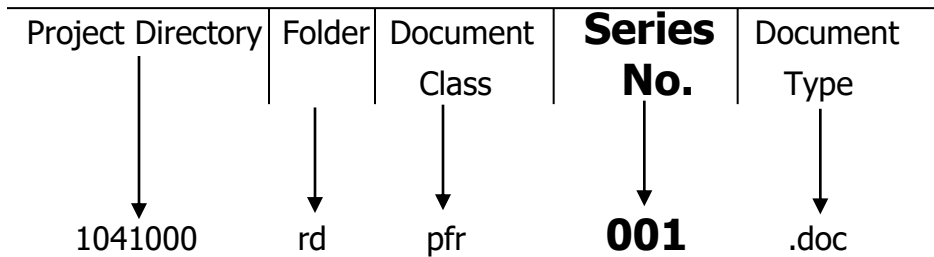
PBF	Photo Bridging File	PVP	Pavement Preservation Plans
PCF	Project Calculation File	PXS	Preliminary Cross Sections
PCR	Post Construction Review		
PDI	Project of (FHWA) Division Interest	<b>Q</b>	
PEO	Preliminary Engineering Ownership Report	QMG	Excel Project Quantities File
PFC	Individual Map Feature File with Patterned Lines	QSH	Quantity Sheet
PFL	Project File List		
PFR	Preliminary Field Review	<b>R</b>	
PFT	Photogrammetry Flight Planning and Targeting	RAG	Right of Way Agreement
PHA	Phase Construction	RAS	HEC-RAS File
PIA	Photo Image Archive	RAX	Reptile/Amphibian Crossing
PIF	Photo Image	RCC	Radio Coordinate Conversion File
PIH	Plan-In-Hand	RDE	Rail Detail
PIM	Public Information Meeting	REC	Design Recommendation
PIR	Project Review	REG	Regulatory
PLM	Building Plumbing Plans	REH	Rehabilitation Projects
PLN	Plan Sheets	REQ	Information Request
PLP	Plan & Profile Sheets	REV	Plan Revision Documentation
PLR	Plan Review	RME	Read-me File
PLS	Plan Sheets - Safety Signing	RMP	Redline Map
PLT	Plotting File	ROE	Right of Entry
PMQ	Pavement Marking Quantities	RPL	Redline Plan
PND	Detention/Retention Pond Modeling	RPT	General Reports
POA	Plan of Action	RRL	Riprap Layout
PRD	Pier Detail	RRV	Rail Revisions
PRE	Preliminary Plans	RSK	Risk Management Plan
PRJ	Project Information	RTD	Route Description
PRO	Profile	RVT	Autodesk Revit Project
PSE	Plans, Specifications & Estimate	RWA	Retaining Wall
PSI	Preliminary Site Investigation	<b>S</b>	
PSS	Preliminary Surfacing Section	SCH	Project Schematic
PTB	Petro Board	SCP	Scoping Meeting Minutes
PTE	Permission to Enter Requests	SCR	Scour
PTF	Project Transmittal Form	SDC	Sign Design Calculation Sheets
PTR	Proposed 3D Terrain Model	SDD	Storm Drain Design
PTS	Points	SDP	Storm Drain Profile
PUB	Public Comments & Discussions	SDT	Special Mapping: Digital Terrain
		SED	Seeding
		SEI	Seismic
		SFR	Safety Review



SHD	Shoe Details	TOP	Topography File
SIA	System Impact Actions	TOS	Topsoil
SLD	Slab Details	TPO	Segment Field Topog Survey
SMP	Special Mapping: Digital Terrain/Planimetric	TRB	Tribal Comments and Discussions
SOW	Scope of Work	TRN	Training Document
SPA	Environmental SPA Permit	TRS	Traffic Study Report
SPC	Special Provisions	TRV	Traverse
SPD	Splice Details	TSU	Interim Field Survey File
SPL	Special Mapping: Planimetric	TTL	Title Sheet
SPN	Utilities SUE Plan Sheets	TYP	Typical Sections
SPP	Utilities SUE Plan & Profile Sheets	<b>U</b>	
SQL	SQLite Spatial Data File	UCR	Utility Conflict Report
SRF	Surfacing	UMA	Utility Mapping File
SSC	Standard Specifications Check	USF	United States Forest Service
SSD	Sanitary Sewer Detail Sheet	USG	United States Geological Survey
SSL	Soil Survey Log	<b>V</b>	
SSP	Sanitary Sewer Plan & Profile Sheet	VAP	Value Analysis Program
SSU	Signing Survey	VCE	Trimble Business Center: Drawing Database
STD	Standard Detail	VEP	Value Engineering Proposal
STE	Site Model created by Geopak Site	VIS	Visualization
STK	Stakeout Report	<b>W</b>	
STL	Utilities SUE Title Sheet	WBF	Wetlands Buffer File
STR	Building Structural Plans	WCD	Wetland Conceptual Design
STS	Siphon Transition Structure	WCE	Wetland Conservation Easement
SUE	Utilities SUE Survey	WED	Wetland Design
SUM	Summary Sheets	WFR	Wetland Finding Report
SUP	Super Shape	WIM	Weigh In Motion Plans
SVA	SurVis/MDT Viewer Archive File	WLD	Wetland Detail
SWM	Storm Water Management	WMR	Wetland Monitoring
SXG	Small Mammal Crossing	WOP	Work Plan
<b>T</b>		WPA	Wetland Purchase
TCM	Traffic Concur Memorandum	WQC	Water Quality Certification (Tribe, EPA, etc.)
TIN	Triangulated Irregular Network	WQR	Water Quality Request Letter (Tribe, EPA, etc.)
TMP	Transportation Management Plan Worksheet	WSD	Water Detail Sheet
TNM	Transportation Noise Model	WSP	Water Plan & Profile Sheet
TOC	Table of Contents		

WSU	Wetland Survey		
WTR	Water Right Documentation	<b>Y</b>	
WWD	Wingwall Details		
<b>X</b>		<b>Z</b>	
XIN	CADD Feature Definitions	ZIP	Winzip
XSF	Cross Sections		
XSI	Cross Section Input		

## Series



**Each work area decides what 3-digit alpha-numeric combination to use for their document classes.**

- 001 – 999
- A01 – Z99
- AA1 – ZZ9
- AAA – ZZZ

*Examples:*

**Consultant documents** use an X, Y & Z in series numbering.

- |           |           |           |
|-----------|-----------|-----------|
| X01 – X99 | Y01 – Y99 | Z01 – Z99 |
| XX1 – XX9 | YY1 – YY9 | ZZ1 – ZZ9 |
| XXX       | YYY       | ZZZ       |

**Environmental** – assigns incremental Series numbers for every project, workgroup and class.

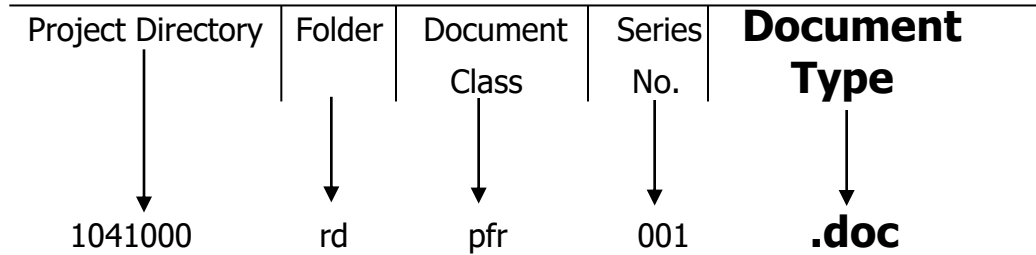
- |              |                     |
|--------------|---------------------|
| <u>Class</u> | <u>Series</u>       |
| FXS          | 001, 002, 003, etc. |
| OMT          | 001, 002, 003, etc. |

**Photogrammetry** includes consultant identification in its Series numbering:

- ZM1 – ZM9
  - Z = Consultant Mapping
  - M = Consultant Metric Mapping
- ZF1 – ZF9
  - Z = Consultant Mapping
  - F = Feet Mapping

**Road Design** assigns incremental Series numbers for every project and workgroup. If one uses a duplicate name for a document, an Error Message appears at attempted Upload in the PCMS application.

## Document Type



**The Document Type is:**

- based on the software needed to use the document
- the default extension the software automatically gives a document

**The table on the next page uses the following headings:**

<b>Application Co. &amp; Product</b>	The Company and Software
<b>Extension</b>	Required, default extension for naming files.
<b>Description</b>	File type information
<b>Design</b>	Yes = MicroStation Design File No = Not a MicroStation Design File
<b>DOS</b>	DOS File Format
<b>Format</b>	Binary = Two-Part Code Format ASCII = Standard Text Format
<b>Naming Convention</b>	<b>Project</b> = Users must follow <i>Project-Related Document Naming Standards</i> <b>None</b> = Does not have to follow Doc. Naming Standards because the software generates the name (typically older DOS software generating a 6.2 or 5.1 character name – survey software).
<b>Active</b>	Yes – File Type currently used by PCMS No – Inactive file type; PCMS will not accept any new document. However, legacy files may exist.

**Document types listed alphabetically by Extension:**

<b>Application Company &amp; Product</b>	<b>Extension</b>	<b>Description</b>	<b>Design</b>	<b>DOS</b>	<b>Format</b>	<b>Naming Convention</b>	<b>Active</b>
	<b>Numbers</b>						
Lotus: Lotus 1-2-3	123	Worksheet	No	No	Binary	Project	Yes
	<b>A</b>						
Trimble: GPSurvey	A1	Processing File	No	Yes	Binary	None	Yes
Bentley Systems: MicroStation	AFD	Ancillary Feature Definition	No	No	ASCII	Project	Yes
Intergraph: IMA	ATT	Database File	No	No	Binary	None	Yes
Generic: Movie File	AVI	AVI Movie File	No	No	Binary	Project	Yes
	<b>B</b>						
Bentley Systems: MicroStation	BAK	Backup Design File	Yes	No	Binary	Project	Yes
Generic: Text Editor	BAT	MS-DOS Batch File	No	No	ASCII	Project	Yes
Generic: Image	BMP	Bitmap Image	No	No	Binary	Project	Yes
Generic: Text Editor	BOT	Lat/Long & N/E Coordinate File	No	No	ASCII	None	Yes
	<b>C</b>						
MDT: Engineering Applications	CBT	Concrete Batch Table File	No	No	ASCII	Project	Yes
Bentley Systems: MicroStation	CEL	Cell Library	No	No	Binary	Project	Yes
Simplicity: Survey 4.0	CGA	Keystroke Log File	No	No	Binary	None	No
Bentley Systems: Descartes	COT	Intergraph Image	No	No	Binary	Project	Yes
MDT: DocuPlot	CPB	Batch Plot File	No	No	Binary	Project	Yes
Map Vision: SurVis	CRD	Processing File	No	No	Binary	None	No
Microsoft: Excel	CSV	Comma Delimited File	No	No	ASCII	Project	Yes
	<b>D</b>						
AASHTO: RDS	DAT	TEX Format Cross Section Output File	No	No	ASCII	None	Yes
Bentley Systems: MicroStation	DAT	Macro Input/Output File	No	No	ASCII	Project	Yes
FHWA: Transportation Noise Modeling	DAT	Transportation Noise Model File	No	No	Binary	Project	Yes
Geopak: Geopak	DAT	Output File	No	No	ASCII	Project	Yes
Simplicity: Survey 4.0	DAT	Processing File	No	No	Binary	None	No
Star Plus: Star*Net	DAT	Standard Survey File	No	No	ASCII	None	Yes
Intergraph: IMA	DBS	Database File	No	No	Binary	None	Yes
Intergraph: IMA	DDL	Database File	No	No	Binary	None	Yes
Generic: Text Editor	DES	Point Description File	No	No	ASCII	None	Yes
Pd' Programming: Intersection Magic	DGM	Graphics File	No	No	Binary	Project	Yes
Bentley Systems: MicroStation	DGN	Design File	Yes	No	Binary	Project	Yes
Microsoft: Word	DOC	Document	No	No	Binary	Project	Yes
Microsoft: Word	DOCM	Document	No	No	Binary	Project	Yes
Microsoft: Word	DOCX	Document	No	No	Binary	Project	Yes

MDT  
PCMS File Naming Standards Project Related

<b>Application Company &amp; Product</b>	<b>Extension</b>	<b>Description</b>	<b>Design</b>	<b>DOS</b>	<b>Format</b>	<b>Naming Convention</b>	<b>Active</b>
Simplicity: Sight Survey	DRG	Graphics File	No	No	Binary	None	No
Bentley Systems: Geopak	DTM	Digital Terrain Model	No	No	Binary	Project	Yes
Autodesk: AutoCAD	DWG	Drawing Database	Yes	No	Binary	Project	Yes
Autodesk: AutoCAD	DXF	Drawing Exchange File	Yes	No	ASCII	Project	Yes
Bentley Systems: MicroStation	DXF	AutoCadd Design File	No	No	Binary	Project	Yes
	<b>E</b>						
Bentley Systems: OpenRoads	EAV	End Area Volume	No	No	ASCII	Project	Yes
Bentley Systems: MicroStation	EMF	Location Map File	No	No	Binary	Project	Yes
Intergraph: IMA	ENT	Database File	No	No	Binary	None	Yes
MDT: Engineering Applications	EQU	Equation File	No	No	ASCII	Project	Yes
Info Tech: Estimator	EST	Estimate file	No	No	Binary	Project	Yes
MDT: Engineering Applications	EWK	Earthwork File	No	No	ASCII	Project	Yes
MDT: Engineering Applications	EXC	Culvert Excavation File	No	No	ASCII	Project	Yes
	<b>F</b>						
OpenVMS: Backup	FDL	File Definition Language	No	Yes	ASCII	None	Yes
Generic: Text Editor	FET	English Coordinate File	No	No	ASCII	Project	Yes
Map Vision: SurVis	FIG	Figure File	No	No	Binary	None	No
Bentley Systems: MicroStation	FIX	Axiom Repaired design file	Yes	No	Binary	Project	Yes
University of Alaska: Environmental Analysis	FXG	Fish Crossing	No	No	ASCII	Project	Yes
	<b>G</b>						
Geopak: Geopak	GEO	Output File	No	No	ASCII	Project	Yes
Generic: Image	GIF	GIF Image	No	No	Binary	Project	Yes
Geopak: Geopak	GPK	Cogo File	No	No	Binary	None	Yes
Geopak: Geopak	GSF	Geopak Site Modeler Project File	No	No	Binary	Project	Yes
Geopak: Geopak	GTD	Core Hole Input File	No	No	Binary	Project	Yes
Geopak: Geopak	GWS	Water Sewer Cogo	No	No	Binary	Project	Yes
	<b>H</b>						
MDT: Engineering Applications	HCD	Horizontal Curve & Deflection File	No	No	ASCII	Project	Yes
MDT: Engineering Applications	HDR	Header File	No	No	ASCII	Project	Yes
Bentley Systems: Descartes	HMR	Preferred Image	No	No	Binary	Project	Yes
Microsoft: Internet Explorer	HTM	Web Page	No	No	Binary	Project	Yes
Microsoft: Internet Explorer	HTML	Web Page	No	No	Binary	Project	Yes
Federal Highways: HY-8 Files	HY8	HY-8 Files	No	Yes	ASCII	None	Yes

<b>Application Company &amp; Product</b>	<b>Extension</b>	<b>Description</b>	<b>Design</b>	<b>DOS</b>	<b>Format</b>	<b>Naming Convention</b>	<b>Active</b>
	<b>I</b>						
FHWA: Transportation Noise Modeling	IDX	Transportation Noise Model File	No	No	Binary	Project	Yes
Generic: Text Editor	IFT	International Foot Coordinate File	No	No	ASCII	Project	Yes
Geopak: Geopak	INP	Input File	No	No	ASCII	Project	Yes
Geopak: Geopak	IOC	Cogo Input File	No	No	ASCII	None	Yes
MDT: Data Viewer	IPO	Input File	No	No	ASCII	Project	No
Geopak: Geopak	IRD	Roadway Designer Input	No	No	Binary	Project	Yes
Geopak: Geopak	ITL	Geopak Roadway Designer Template Library	No	No	Binary	Project	Yes
	<b>J</b>						
Generic: Image	JIF	Compressed Image File	No	No	Binary	Project	Yes
Bentley Systems: MicroStation	JOB	Batch Plotting	No	No	ASCII	Project	Yes
Simplicity: Survey 4.0	JOB	Information File	No	No	ASCII	None	No
Generic: Image	JPG	Compressed Image File	No	No	Binary	Project	Yes
	<b>K</b>						
Generic: GIS Annotation And Visualization Markup	KML	Keyhole Markup Language File	No	No	ASCII	Project	Yes
Generic: GIS Annotation And Visualization Markup	KMZ	Keyhole Markup Language Zip File	No	No	Binary	Project	Yes
	<b>L</b>						
Generic: Light Detection and Ranging (LiDAR)	LAS	LiDAR Data File	No	No	Binary	Project	Yes
AASHTO: RDS	LIS	Alignment Output File	No	No	ASCII	None	Yes
Generic: Text Editor	LLH	Lat/Long Coordinate File	No	No	ASCII	None	Yes
Generic: Text Editor	LOG	Log File	No	No	ASCII	Project	Yes
MDT: Log Pearson Analysis Program	LP3	Log Pearson Analysis Program	No	Yes	ASCII	None	Yes
Ensoft: LPile Model	LP8D	LPile Input File	No	No	Binary	Project	Yes
Ensoft: LPile Model	LP9D	LPile Input File	No	No	Binary	Project	Yes
Ensoft: LPile Model	LPD	LPile Input File	No	No	Binary	Project	Yes
Intergraph: IMA	LST	Database File	No	No	Binary	None	Yes
Star Plus: Star*Net	LST	Input/Output File	No	No	ASCII	None	Yes
	<b>M</b>						
Discreet: 3-D Studio	MAX	Animation / Wire Frame File	No	No	Binary	Project	Yes
MathSoft: Mathcad	MCD	Calculation File	No	No	Binary	Project	Yes
Generic: Text Editor	MET	Metric Coordinate File	No	No	ASCII	Project	Yes
Generic: Movie File	MOD	MOD Movie File - Digital Video	No	No	Binary	Project	Yes
Generic: Movie File	MOV	MOV Movie File	No	No	Binary	Project	Yes
Generic: Movie File	MPG	MPG Movie File	No	No	Binary	Project	Yes
Microsoft: Outlook	MSG	Message Format	No	No	Binary	Project	Yes

<b>Application Company &amp; Product</b>	<b>Extension</b>	<b>Description</b>	<b>Design</b>	<b>DOS</b>	<b>Format</b>	<b>Naming Convention</b>	<b>Active</b>
	<b>N</b>						
Generic: Text Editor	NEZ	Northing Easting Coordinate File	No	No	ASCII	Project	Yes
	<b>O</b>						
Generic: Text Editor	OBS	GPS Observation Schedule	No	No	ASCII	None	Yes
Geopak: Geopak	OOC	Cogo Output File	No	No	ASCII	None	Yes
Map Vision: SurVis	ORG	Original Unedited Raw Data	No	No	ASCII	None	No
Bentley Systems: MicroStation	OUT	Macro Input/Output File	No	No	ASCII	Project	No
NGS Web Site: NGS	OUT	Data Sheets	No	No	ASCII	Project	Yes
US Army Corps of Engineers: Corpscon for Windows	OUT	Output File	No	No	ASCII	Project	Yes
	<b>P</b>						
Intergraph: IMA	PAR	Database File	No	No	Binary	None	Yes
Map Vision: SurVis	PAR	Parameter File	No	No	Binary	None	No
Adobe Systems: Acrobat	PDF	Portable Document Format	No	No	Binary	Project	Yes
MDT: Engineering Applications	PIP	Culvert Excavation Calculation File	No	No	ASCII	Project	Yes
Generic: Image	PNG	Portable Network Graphics	No	No	Binary	Project	Yes
Generic: Image	POD	Bentley Converted LiDar	No	No	Binary	Project	Yes
Star Plus: Star*Net	POS	Latitude/Longitude	No	Yes	ASCII	None	Yes
Microsoft: PowerPoint	PPT	Presentation	No	No	Binary	Project	Yes
Microsoft: PowerPoint	PPTM	Presentation	No	No	Binary	Project	Yes
Microsoft: PowerPoint	PPTX	Presentation	No	No	Binary	Project	Yes
Bentley Systems: Descartes	PRJ	Project File	No	No	Binary	Project	Yes
Intergraph: IMA	PRJ	Database File	No	No	Binary	None	Yes
Star Plus: Star*Net	PRJ	Standard Survey File	No	Yes	ASCII	None	Yes
US Army Corps of Engineers: Water Surface Analysis	PRJ	HEC-RAS File	No	No	ASCII	Project	Yes
Microsoft: Excel	PRN	Space Delimited File	No	No	ASCII	Project	Yes
Adobe Systems: Adobe Premier	PRPROJ	Project File	No	No	Binary	None	Yes
Adobe Systems: Photoshop	PSD	Adobe Image File	No	No	Binary	Project	Yes
Bentley Systems: MicroStation	PSET	Print Organizer File	No	No	Binary	Project	Yes
Microsoft: Outlook	PST	Messages Saved as a personal file or archived	No	No	Binary	Project	Yes
Generic: Text Editor	PTS	Survey Points List File	No	No	ASCII	Project	Yes
Star Plus: Star*Net	PTS	Coordinate List	No	No	ASCII	None	Yes
	<b>R</b>						
Map Vision: SurVis	RAW	Raw Data File	No	No	ASCII	None	No



MDT  
PCMS File Naming Standards Project Related

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Star Plus: Star*Net	RAW	Zeiss Raw Level Data	No	No	ASCII	None	Yes
Geopak: Geopak	RD5	GeoPak Coordinate TDS Format	No	No	ASCII	None	Yes
Geopak: Geopak	RDB	Rebar Database	No	No	Binary	Project	Yes
Geopak: Geopak	RDP	Roadway Designer Preferences	No	No	Binary	Project	Yes
Bentley Systems: MicroStation	REF	Standard Reference File	Yes	No	Binary	None	Yes
Bentley Systems: Descartes	RGR	Registry File	No	No	ASCII	Project	Yes
Generic: Text Editor	RPT	Report File	No	No	ASCII	None	Yes
Generic: Rich Text Editor	RTF	Rich Text Format	No	No	Binary	None	Yes
Autodesk: AutoCAD	RVT	Autodesk Revit Project	No	No	Binary	Project	Yes
	<b>S</b>						
Intergraph: IMA	SAB	Alignment Numbers File	No	No	ASCII	None	Yes
OpenVMS: Backup	SAV	Save Set	No	Yes	Binary	None	Yes
MDT: Draining Analysis	SDD	Storm Drain Design	No	No	ASCII	Project	Yes
LizardTech: MrSID- Multiresolution Seamless Image	SDW	MrSid World File	No	No	ASCII	Project	Yes
MDT: Engineering Applications	SED	Seeding & Fertilization Area File	No	No	ASCII	Project	Yes
Generic: Text Editor	SFT	US Survey Foot Coordinate File	No	No	ASCII	Project	Yes
LizardTech: MrSID- Multiresolution Seamless Image	SID	MrSid Image	No	No	Binary	Project	Yes
MDT: Engineering Applications	SKH	Stockpile Volume History File	No	No	ASCII	Project	Yes
MDT: Engineering Applications	SKV	Stockpile Volume File	No	No	ASCII	Project	Yes
MDT: Engineering Applications	SKX	Stockpile Volume Cross Section File	No	No	ASCII	Project	Yes
Generic: Text Editor	SOE	SOE Cross Section File	No	No	ASCII	Project	Yes
Generic: Text Editor	SPC	Combinate Scale Factor & Convergence Coordinates	No	No	ASCII	None	Yes
Star Plus: Star*Net	SPL	Standard Survey File	No	Yes	Binary	None	Yes
Generic: Image	SQLITE	SQLite Spatial Data File	No	No	Binary	Project	Yes
MDT: Engineering Applications	SSE	Surface Smoothness File	No	No	ASCII	Project	Yes
MDT: Standard Step	SST	Standard Step	No	Yes	ASCII	None	Yes
Intergraph: IMA	STEREO	Bridging File	No	No	ASCII	None	Yes
Intergraph: IMA	SYM	Database File	No	No	Binary	None	Yes
	<b>T</b>						
Generic: Image	TGA	True Vision Image	No	No	Binary	Project	Yes
Generic: Image	TIF	Tagged Image Format	No	No	Binary	Project	Yes
Geopak: Geopak	TIN	Triangulated Irregular	No	No	Binary	Project	Yes

MDT  
PCMS File Naming Standards Project Related

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		Network File					
MDT: Engineering Applications	TTR	Typical Transition Report File	No	No	ASCII	Project	Yes
MDT: Engineering Applications	TTS	Typical Transition Setup Data File	No	No	ASCII	Project	Yes
MDT: Engineering Applications	TTT	Typical Transition Data File	No	No	ASCII	Project	Yes
Generic: Text Editor	TXT	Text File	No	No	ASCII	None	Yes
Geopak: Geopak	TXT	Input/Output File	No	No	ASCII	Project	Yes
	<b>V</b>						
Trimble: Business Center	VCE	Drawing Database	No	No	Binary	Project	Yes
	<b>W</b>						
Generic: Audio Sound File	WAV	Audio File	No	No	Binary	Project	Yes
Intergraph: IMA	WIN	Database File	No	No	Binary	None	Yes
Corel: WordPerfect	WPD	Document	No	No	Binary	Project	Yes
Windows: Write	WRI	Text File	No	No	ASCII	Project	Yes
12 Tone Systems: Cake Walk	WRK	Audio Mixing	No	No	Binary	Project	Yes
	<b>X</b>						
Geopak: Geopak	X	Criteria File	No	No	ASCII	None	Yes
Bentley Systems: MicroStation	XIN	CADD Feature Definitions	No	No	ASCII	Project	Yes
Bentley Systems: MicroStation	XLP	MicroStation XS Feature Labeling Preference File	No	No	ASCII	Project	Yes
Microsoft: Excel	XLS	Workbook	No	No	Binary	Project	Yes
Microsoft: Excel	XLSM	Workbook	No	No	Binary	Project	Yes
Microsoft: Excel	XLSX	Workbook	No	No	Binary	Project	Yes
Bentley Systems: Geopak	XML	XML File	No	No	Binary	Project	Yes
MDT: Engineering Applications	XSC	Standard Cross Section File	No	No	ASCII	Project	Yes
MDT: Engineering Applications	XSE	EDM Cross Section File	No	No	ASCII	Project	Yes
Generic: Text Editor	XYZ	XYZ Coordinates	No	No	ASCII	Project	Yes
	<b>Z</b>						
Simplicity: Sight Survey	ZAK	Standard Survey File	No	No	Binary	None	No
Niko Mak Computing: WinZip	ZIP	Zip File	No	No	Binary	Project	Yes

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