



## Data Format

VARGIS will translate or transfer the digital data from the original system specific format to the final and required output format. The softcopy photogrammetric data collection software of choice is Bentley Microstation which allows direct translation to Autodesk AutoCAD Map 5 (ACAD2000) dwg format and ESRI ArcGIS format. LAR-IAC will have the final database design completed prior to the start of the pilot area to ensure a successful translation process. LAR-IAC and VARGIS must sign off on the Physical Database Design, the Graphic Symbology Annotation Specifications prior to the delivery of the pilot project. All modifications and/or enhancements will be documented by utilizing the Change Order procedures. The formats listed below for the listed deliverables are for graphic display only and do not contain any written reports.

Delivery Product	Format 1	Format 2	Format 3
Orthophoto	GeoTIFF	Jepg 2000	
Digital Surface Model *	ASCII - points	ArcGIS shape file - points	Microstation (dgn) - points , lines
Digital Terrain Model **	ArcGIS shape file - points, 3D lines	AutoCAD (dwg) – points , lines	Microstation (dgn) – points , lines
Digital Elevation Model ***	ArcGIS raster	AutoCAD (dwg)	
Contours	ArcGIS shape file	AutoCAD (dwg)	

\* Digital Surface Model- contains the masspoints ( from LIDAR or photogrammetric compilation) and breaklines to generate subsequent elevation products

\*\* Digital Terrain Model represents the bare earth terrain including the breaklines

\*\*\* Digital Elevation Model represents the bare earth in grid format

### Reports and support data:

**Ground Control:** ESRI ArcGIS shape file with attributes  
ASCII point file listing  
Report

**Tile Grid** ESRI ArcGIS shape file

**Block Adjustment** ESRI ArcGIS shape file  
Report