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NO	TASKS	DESCRIPTION
1	SDL & MSD Institutional Development and Capacity Building	<ul> <li>Assessment of SDL &amp; MSD</li> <li>Study of International best praxis and success cases</li> <li>Assessment of partnership with local institutions</li> <li>Reviewing LSDI SDL assessment and upgrade SDL&amp;MSD</li> <li>Preparation of Strategic plans for SDL &amp; MSD</li> <li>Development of policies and procedures for dat dissemination</li> <li>Development of organizational chart</li> <li>Development of implementation plan</li> <li>Supervise implementation plan</li> <li>Preparation of Technical training program</li> </ul>
2	Map Production, Geodatabase and Portal GIS	Work Package-1: CORS Establishment     Work Package-2: Geodetic Network and Geoid     Work Package-3: Ground Control Points     Work Package-4: Aerial photography and AT     Work Package-5: Orthophoto     Work Package-6: Digital, thematic and LBS mapping     1/25.000 mapping     1/50,000 to 1/2,000,000 mapping     Work Package-7: Geodatabase and portal GIS     Work Package-8: HW/SE and Equipment     Work Package-8: Training

Work Package-1: Establishment of CORS-LIBYA	Establish CORS along coast line of Libya (50 stations)
Work Package-2: Upgrading Geodetic Control Network and Geoid Determination	<ul> <li>a) Establish additional stations (200)</li> <li>b) Survey existing stations (61 +)</li> <li>b) Determine national dm-level geoid</li> </ul>
Work Package-3: Establishment of Ground Control Points	Establish ground control points for mapping
Work Package-4: Aerial Photography and Aerial Triangulation	<ul> <li>a) Acquire aerial images in two seasons (1,660,000 km2)</li> <li>b) Carry out Aerial Triangulation (if required) or</li> <li>c) Carry out georeferencing</li> </ul>

Work Package-5: Orthophoto Mapping	<ul> <li>a) Compile DEMs at 5 m grid spacing</li> <li>b) Compile orthophoto maps (1/10K) / 1,660,000 km2</li> </ul>
Work Package-6: Production of 1/25K, 1/50K, and 1/100K-2000K Digital Topographic Mapping, Color Land Use Thematic Mapping and Navigational / LBS Mapping	<ul> <li>a) Compile 1/25K map sheet (280,000 km2)</li> <li>b) QA/QC 1/25K existing maps (95,000 km2)</li> <li>c) Derive 1/50K map sheets from 1/25K sheet (375,000 km2)</li> <li>d) Compile 1/50K map sheets (1,285,000 km2)</li> <li>e) Derive 1/100K map sheet (1,660,000 km2)</li> <li>f) Derive 1/250K - 1/2000K map sheet (1,660,000 km2)</li> <li>g) Compile 1/25K navigational / LBS maps (10,000 km2)</li> <li>i) Compile 1/100K navigational / LBS maps (1,660,000 km2)</li> </ul>
Work Package-7: Establishment of Geodatabase	Establish geodatabase and metadata consisting of: - Geodetic network points and CORS - Aerial photographs - DEMS and orthophotos - Topographic maps (1/25K -1/2000K) - Landuse thematic maps - Navigational / LBS maps - Other spatial data available in SDL

Work Package-8: Provision of HW / SW and Equipment	<ul> <li>a) Provide servers &amp; workstations &amp;PCs, tablet PCs</li> <li>b) Provide Softcopy Photogrammetric Systems</li> <li>c) Provide GNSS sets</li> <li>d) Provide 4WD Vehicles</li> <li>e) Provide Scanners, plotters, printers, archival drawers</li> <li>f) Provide Geodatabase, GIS and portal software</li> <li>f) Others</li> </ul>
Work Package-9: Training	<ul> <li>a) Assist capacity building of SDL</li> <li>b) Conduct training of staff in-house</li> <li>c) Conduct training of staff for B.Sc. degree</li> <li>d) Conduct training of staff for M.Sc. degree</li> </ul>





































FIG Congress 2010 Facing the Challenges – Building the Capacity Sydney, Australia, 11-16 April 2010





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