

IMPACT ASSESSMENT

Checklist



This checklist will assist in determining the impacts of the implementation of GDA2020 across your organisation and defining the extent of implementation activities required.

TECHNICAL IMPACTS - DATA

Data assessment

- What datum is currently in use in your datasets?
- Does each dataset's metadata define datum?
- Are your internal and external stakeholders educated about metadata?
- Is spatial information represented as a spatial dataset or stored as attributes in a database?
- What datasets are candidates for GDA2020 compliance? ⁱ
- What datasets are candidates for GDA2020 compatibility? ⁱⁱ

Third party datasets

- Is metadata provided with the third party datasets which your organisation receives?
- What datum is used on the datasets you receive and provide to external stakeholders e.g. DBYD?
- What external datasets do you require to be transformed before you can transform your datasets?
- Are you bound to contractor terms to provide or accept data on datum?

TECHNICAL IMPACTS - SYSTEMS

System delivery tools

- What databases rely on location information?
- What mobile operating environments produce precise location information e.g. asset management tools, surveying equipment?
- Do you need to invest in new technologies to adopt GDA2020?

System/ software interdependencies

- What software needs to be upgraded to adopt GDA2020?
- Is there an order of upgrading software/ systems?
- Is there a cost to upgrade or is this part of an existing licence agreement?

Display of datum

- What user interfaces stipulate a datum or use a datum logo?
- Does your website state the organisations default datum?
- What datum is data going to be delivered in?

BUSINESS IMPACTS

Legislation, regulation, standards and policies

- Which ones are impacted by a change in datum?
- What is the process and timeline to amend these?

Business Processes

- What business processes rely on precise location information?
- Are there any forms, guidelines or work instructions that note datum?
- Are there any reports that rely on datum e.g. asset location reports?

Resourcing

- Will you need a project team or technical resources to implement GDA2020 across your organisation?
- Who will be the responsible business group/ person for implementing?
- Do the working groups need to be established within the specific business groups?
- Are there issues that need to be co-ordinated at the whole of your organisation level?

STAKEHOLDER IMPACTS

Stakeholder identification

- Which ones are impacted by a change in datum?
- Which business groups will be impacted and how? (e.g. spatial services, asset management, surveyors, system support, policy)
- Who are your business custodians? (e.g. owners of datasets, systems, regulations and policies or business processes)
- Which contractors and customers will be impacted and how? (e.g. civil subcontractors, machine guidance operators, surveyors)
- Who may not be impacted but needs to be kept informed of your adoption? (e.g. neighbouring councils, IT program management office)
- Which organisations are you an impacted stakeholder of and why? (e.g. local or state governments, private business)

Stakeholder Engagement

- Are there ways that you can provide information, education and awareness to your stakeholders about the change now?

For more information on implementing GDA2020 in Queensland please contact Matt Higgins,
Department of Natural Resources Mines & Energy via qldgda2020@dnrme.qld.gov.au or 07 3330 4481.

Published: October 2019

ⁱ According to the Geocentric Datum of Australia 2020 Implementation Guide, datasets with a positional uncertainty such that the transformational shift between the current datum and GDA2020 is significant, should be transformed and marked in the metadata as GDA2020 Compliant.

ⁱⁱ According to the Geocentric Datum of Australia 2020 Implementation Guide, datasets with higher levels of positional uncertainty may not need to be transformed and their metadata may be marked GDA2020 Compatible.