

FACT SHEET

Survey and Drafting Directions for Mining Surveyors 2020

Why have changes been made?

The Survey and Drafting Directions for Mining Surveyors 2020 (NSW Mines) has been reviewed and updated to:

- enable the collection of mine survey plans in the new Geocentric Datum of Australia 2020
- improve coverage and data requirements of submitted mine working digital themes
- update references and terminology to coincide with legislation and regulation changes
- enable a new online submission process for mine survey plans via the [Regulator Portal](#). Refer to [guidance documents](#) for details. Video guidance can be found [here](#).

What changes have been made?

Below is a summary of the changes made in the Survey and Drafting Directions for Mining Surveyors 2020:

- Datum change to GDA2020
- Online submission through the Regulator Portal starting on 1 July 2020
- Preservation of survey records, UAV images to be retained for two years
- Requirement to include a projection file with mine working digital themes
- Schedule of borehole coordinates removed
- Schedule of natural features remove
- Administration sheet and Metadata statement updated

- New themes included in mine working digital themes submission:
 - Hazardous materials - spatial theme submitted for storages where hazardous chemical notification required (Cl.328 of Work Health and Safety Regulation 2017) and/or explosives licenses are held (*Explosives Act 2003*)
 - Emplacement area – 3D polygon feature of the current surface elevation of the emplacement area. Emplacement area polygon should show the full disturbance footprint of the emplacement facility where waste/refuse material has been emplaced
 - Emplacement contours – basal contours at 5m intervals

Note: Emplacement areas include tailings storage facilities as per the updated definition in the Work Health and Safety (Mines and Petroleum Sites) Regulation 2014).
 - Declared dams (formerly prescribed dams). This should show the totality of the dam wall footprint and the full supply level of the water body.
- New field requirements as outlined in Table 1.

Table 1 Changes to field requirements for mine working digital themes

Theme	Change	Field name	Description
All themes	New field	Surveyor	Nominated mining surveyor certifying the mine working digital themes
All themes	Description change	Provider	Person lodging the mine survey plan
First workings	New field	FW_ref	First working location reference
Second workings	New field	LW_name	Name of longwall
Hazardous materials	New fields	Ackn_num, typ_quan, max_cap, stor_type, unit,	See SDD for descriptions

Theme	Change	Field name	Description
		ship_name, pack_Group, class_div, UN_number	
Hazardous materials	New options list	Hazard_type	non-hazardous + dangerous, hazardous + dangerous, hazardous + non-dangerous, other
Declared Dams	New field	Dam_class	Classification of Declared Dam by consequence category as per Part 3.6 of Dam Safety Regulation 2019 (options list)
Mining lease boundary	Field removal	Holding	Field requirement has been removed

When do the changes take effect?

Table 2 – Key dates

Date	Event
15 May 2020	Survey and Drafting Directions for Mining Surveyors 2020 replaces the 2015 Directions.
1 July 2020	<p>Chief Inspector Notice - Provision of mine survey plans to the Regulator 2020 commences. All mine survey plan submissions to be in accordance with Survey and Drafting Directions for Mining Surveyors 2020 and submitted via the Regulator Portal. Mine operators that meet the criteria from the schedule, to submit mine survey plan by the specified date as below:</p> <p><i>Specified date means:</i></p> <ul style="list-style-type: none"> <i>within three months from 30 June each year for a mine where the mine operator, at the commencement of this notice, last provided a mine survey</i>

Date	Event
	<p><i>plan to the regulator with a reporting period ending before 1 January 2020; or</i></p> <ul style="list-style-type: none"> <i>within three months from 31 December each year for a mine where the mine operator, at the commencement of this notice, last provided a mine survey plan to the regulator with a reporting period ending after 1 January 2020; or</i> <i>within three months from 30 June each year for a mine where the mine operator, at the commencement of this notice, had not previously provided a mine survey plan to the regulator for the mine.</i>
15 May 2022	End of transition period for compliance with the requirements to survey and submit information in MGA2020.

What are the GDA2020 transition arrangements?

Section 1.2 of the new directions provides a two-year transition for compliance with the requirements to survey and submit information in MGA2020. An [exemption](#) has been granted by the Regulator from the use of GDA94 in preparing the mine survey plans (NSW Government Gazette No 39 of 28 February 2020) until amendments to the regulation are made. A two-year transition for the requirement to use GDA2020 to align with the transition provisions in the new directions will be considered as part of proposed amendments to the regulation.

How do I access the new directions?

The Survey and Drafting Directions for Mining Surveyors 2020 can be found at the [Spatial Services website](#).

Who was involved in the review?

Representatives from the following organisations were involved in the review of the Survey and Drafting Directions for Mining Surveyors 2020:

- Spatial Services, Department of Customer Service
- NSW Resources Regulator, Regional NSW
- Mining Exploration and Geoscience, Regional NSW

- Australian Institute of Mine Surveyors (AIMS).

If you have any question relating to the process for submitting mine survey plans to the regulator, contact the NSW Resources Regulator on 1300 814 609 or email cau@planning.nsw.gov.au

If you have any data-related questions, contact Resource Operations at Mining Exploration and Geoscience on 02 4063 6667 or email drafting.services@planning.nsw.gov.au

All other enquiries should be forwarded to Surveyor-General-Approvals@customerservice.nsw.gov.au.

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