

HYER STANDARDS

Underground and Overhead Services

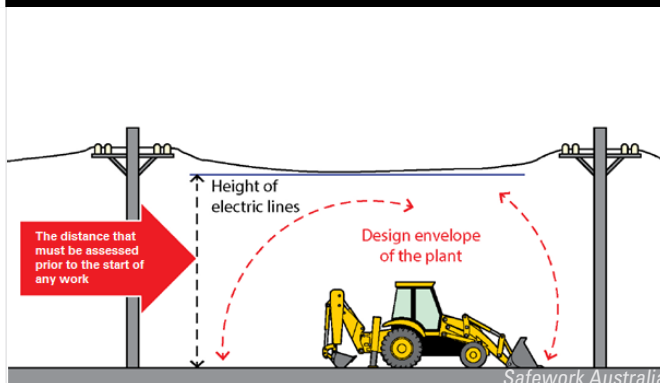
The Hansen Yuncken HYer Standards provide guidance on the minimum level of compliance expected for high risk activities on all projects.

Identification of Services



- Dial Before You Dig (DBYD) must be contacted and current (in date) plans obtained at the beginning of the project prior to commencing any ground works
- All essential services at or near the work location must be identified prior to work commencing
- Where there is a need to verify exact location of services, in-ground services locating technologies must be used

Notifications



- Asset owners must be consulted when work is being undertaken near services.
- Controls are to be implemented when working:
 - Near underground assets within 3m of electricity conductors >66kV
 - Near underground assets within 500mm of all other services
 - In proximity to overhead lines

Protection of Services



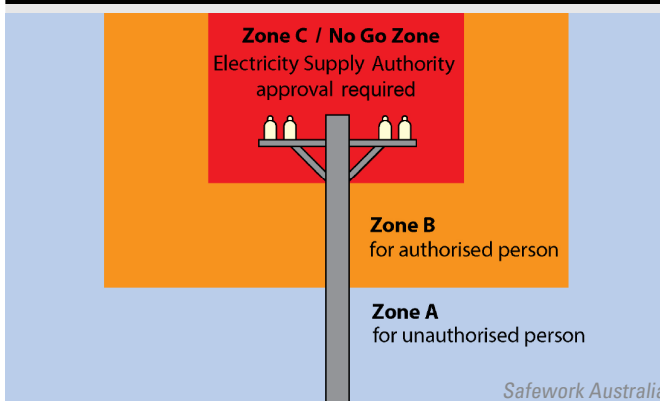
- Essential services must be protected from damage while work is being undertaken
- Services are to be physically protected (i.e., enclosures, cable trays, bollards etc) where there is a risk of collision with mobile plant
- Services must have visual identifiers to alert workers of their location (i.e., tiger tails, tape, location marked on walls etc)
- Exclusion zones are to be established when temporary protection required

Isolation of Services



- Where possible, essential services are to be isolated prior to undertaking work in close proximity
- This includes all underground, concealed, adjacent, and overhead essential services that may be impacted by the work
- Asset owners must be consulted prior to the isolation or de-energisation of services

Working Near Overhead Services



- Approach distances and work zones must be established for overhead power lines
- If plant operating near overhead services has the capacity to reach Zone C (No Go Zone), it is to be fitted with limiting or slowing devices
- Only authorised persons who have successfully completed a recognised overhead line electrical hazards training course are permitted to work in Zone B
- Safety Observers/ Electrical Spotters must be used when working in close proximity to overhead energised services (i.e. Zone B)

Working Near Underground Services



- If the exact location of underground services is unknown, short sections are to be exposed using non-destructive digging (e.g. water pressure and vacuum systems, potholing)
- Competent spotters must be used when working within 500mm of an underground asset
- For underground services, excavators must not be used within distances defined by state legislation or asset owners



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UNDERGROUND AND OVERHEAD SERVICES PROCEDURE