

IREDES COORDINATE SYSTEM Application Profile

Cross Supplier standardized formats for the exchange of coordinate system information

Motivation

For many applications the exchange of geospatial information is required between a mine and working equipment like the setup positions of machines or the hole positions and directions of drill holes for a drill rig. Also for the exchange of location information in tracking, the handling of geospatial information is an essential precondition.

Such coordinate system handling has to assure routines so neither the mine nor the machine manufacturer has to modify his own use of coordinate system information.

Purpose

The purpose of the IREDES COORDINATE SYSTEM Application Profile is to provide all location information in one single format to be exchanged between different IT systems and to provide all information needed to enable the systems to automatically perform the required coordinate system transformations.

The generic COORDINATE SYSTEM Application Profile definitions are used by any IREDES profile which needs to use location information.

It is important that any IREDES profile does not specify systems the producers have to use. IREDES specifies the electronic interface between systems so producers and mines are completely free in choosing their individual systems, as long as they provides IREDES interfaces.

Scope

The IREDES COORDINATE SYSTEM Application Profile definitions are set up as complex data types in the general XML schemas. These are used by each individual Equipment Profile to handle geospatial information.

Status

The COORDINATE SYSTEM Application Profile is released since 2002.

Questions? Want to participate in creating the standard? Not an IREDES member yet? Get involved:
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