

IREDES CHARGERS Equipment Profile

Cross Supplier standardized information for explosives Charging

Motivation

Explosives Chargers are also more and more equipped with electronic control systems and a clear trend is visible to automate these machines to a big extend. At the same time, electronic information is available from Drill Rigs so the data is available to optimize the amount of explosives used on a per-hole basis.

In order to enable mining companies to minimize cost for interface development, IREDES standardizes the information so machines of different manufacture can be easily integrated into a mine's IT environment without specific development effort.

Purpose

The purpose of the IREDES CHARGERS Equipment Profile is to provide operational information required for work organization, enhanced work quality and accuracy, dispatch and maintenance. The general purpose of a standardized information exchange between the machines and central IT systems is to keep cost for interface development and for electronic reporting at bay while at the same time enabling the broad use of computerized machinery in order to enhance efficiency and accuracy of operations.

The purpose of the CHARGERS Equipment Profile is to define standardized information like:

- Plans for the individual and accurate charging of explosives to each hole in round
- Reports on the machine productivity ("Production Performance Report")
- Reports on the Quality and accuracy of work in relation to the Plan ("Production Quality Report")

It is important that the IREDES CHARGERS profile precisely as any other IREDES equipment profile does not specify systems the machine producer has to use. It specifies the electronic interface between systems so the producer is completely free in choosing it's proprietary on board systems.

Scope

The IREDES CHARGERS Profile defines the content (structure and meaning) of the above mentioned profiles as XML schemas to be used for offline exchange using memory media as well as using WebServices for online transport.

Status

The IREDES CHARGERS Profile is released.

Questions? Want to participate in creating the standard? Not an IREDES member yet? Get involved:
info@iredes.org