

And we also inform the Center once the connection is established again with the RTU.

The iec104 south plugin should create and send a specific single point to the north which would forward it to the Center. This single point should be present in the exchanged data configuration based on the iec104 address using the protocol_stack south_monitoring.cnx_loss_status_id attribute.

If protocol_stack south_monitoring.cnx_loss_status_id is empty or if the data is missing in exchanged data then ignore.

Once received, for example the Center could automatically send a GI request and inform other peers on the loss of the connection, if supported.

The right time to send this single point after GI is finished on the south.

The value for connection lost is "do_value": 1 and when the connection is back "do_value": 0

Datapoint to be created:

```
{
  "data_object":{
    "do_type":<from exchanged data conf>,
    "do_ca":<from exchanged data conf>,
    "do_oa":0,
    "do_cot":3,
    "do_test":false,
    "do_negative":false,
    "do_ioa":<from exchanged data conf>,
    "do_value":1,
    "do_quality_iv":false,
    "do_quality_bl":false,
    "do_quality_ov":false,
    "do_quality_sb":false,
    "do_quality_nt":false,
    "do_ts":<gateway timestamp>,
    "do_ts_iv":false,
    "do_ts_su":false,
    "do_ts_sub":false
  }
}
```

IEC104 north plugin

"mode":

- **"accept_always"**: accept connection or maintain connection with center independently from the south asset connection status
- **"accept_if_south_connx_started"**: accept connection or maintain connection with center only if south connection is established and running

south_monitoring.asset[]: array of assets name used to monitor the connection and gi status information from the south

Structure of the south event operation to request latest status:

```
"request_connection_status"
```