TiA - Documentation of TOBI Interface A Documentation

Release 1.0

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CONTROL CONNECTION

A TiA server has to provide a TCP port on which clients can create a control connection. Each client gets its own control connection to the server.

The control connection can be used by the clients to send requests to the server such as "start/stop data transmission".

1.1 Server Commands

A TiA server implementation has to support the following commands:

1.1.1 Get Config

This command is used to get the informations about signals from the server.

XML Representation

```
<?xml version="1.0" encoding="UTF-8"?>
<message version="1.0">
  <getConfig/>
</message>
```

Server Response

```
<?xml version="1.0" encoding="UTF-8"?>
<message version="1.0">
  <config>...</config>
</message>
```

1.1.2 Get Data Transmission

Two types of data transmissions exist: "tcp" and "udp".

XML Representation

```
<?xml version="1.0" encoding="UTF-8"?>
<message version="1.0">
  <getDataTransmission type="tcp"/>
</message>
```

Optionally the `type` attribute can be set to `udp`.

Server Response

```
<?xml version="1.0" encoding="UTF-8"?>
<message version="1.0">
  <dataConnection port="XXXX" />
</message>
```

1.1.3 Start Data Transmission

XML Representation

```
<?xml version="1.0" encoding="UTF-8"?>
<message version="1.0">
  <start/>
</message>
```

Server Response

Server will not respond to that message.

1.1.4 Stop Data Transmission

XML Representation

```
<?xml version="1.0" encoding="UTF-8"?>
<message version="1.0">
  <stop/>
</message>
```

Server Response

Server will not respont to that message.

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