

AN013

**Workaround to access IQRF gateways
by browsers not supporting SSL 3.0**

Application note



Workaround to access IQRF Gateways by browsers not supporting SSL 3.0

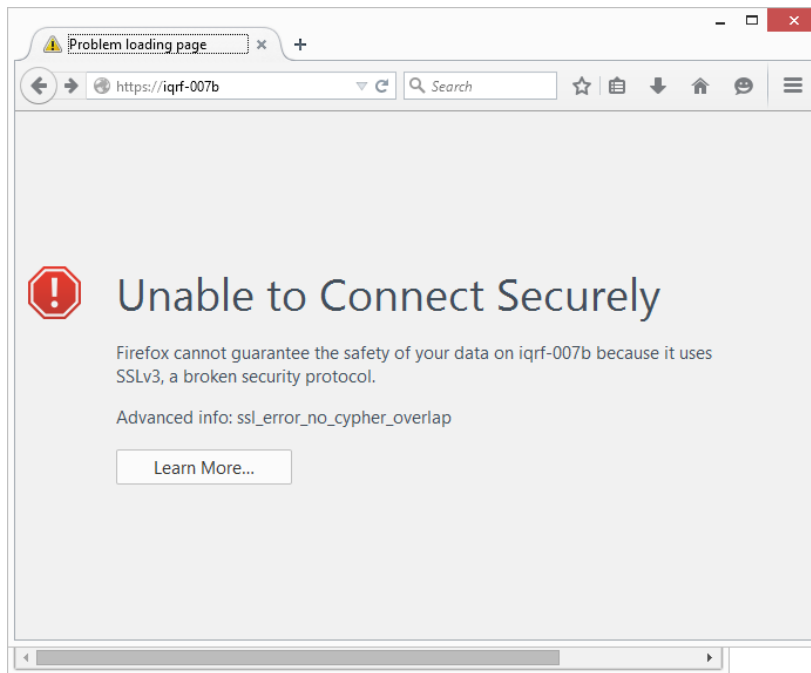
Newer versions of common web browsers have stopped support of the SSL 3.0 protocol implemented in IQRF gateways. Therefore an access to IQRF gateways via secured Internet connection is temporarily more difficult than before.

As a workaround of this issue, it is needed to add an exception to given browser to establish trusted connectivity. Moreover, some browsers do not allow permanent exceptions that is why several steps of the workaround procedure must be repeated whenever the browser is launched. Following examples illustrate how to do it for Firefox and Chrome browsers.

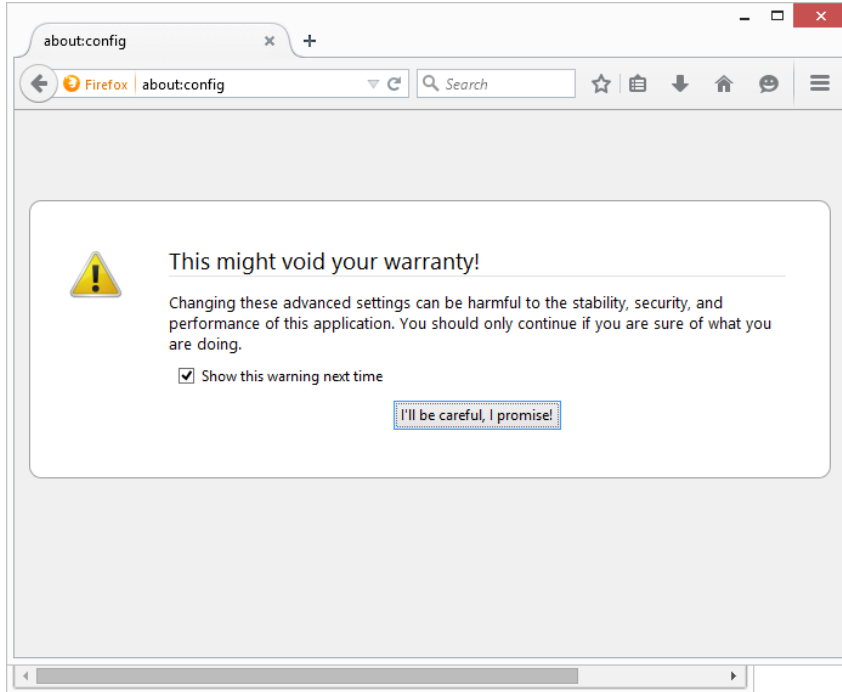


For FireFox version 35.0.1 and higher

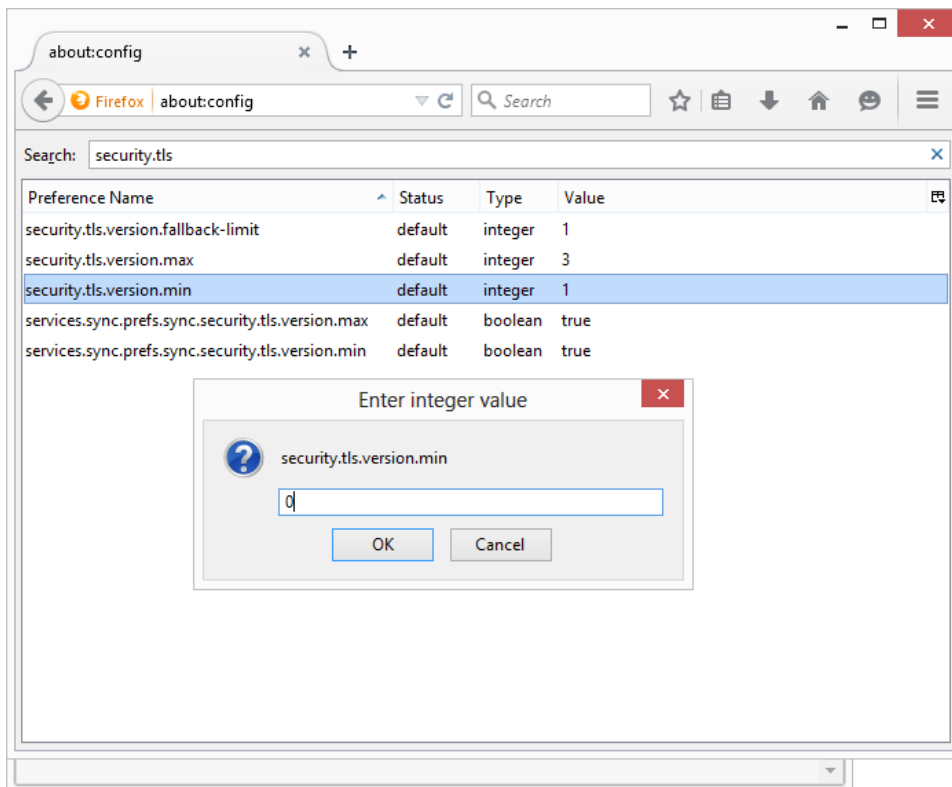
1. Reporting an SSL issue by the browser.



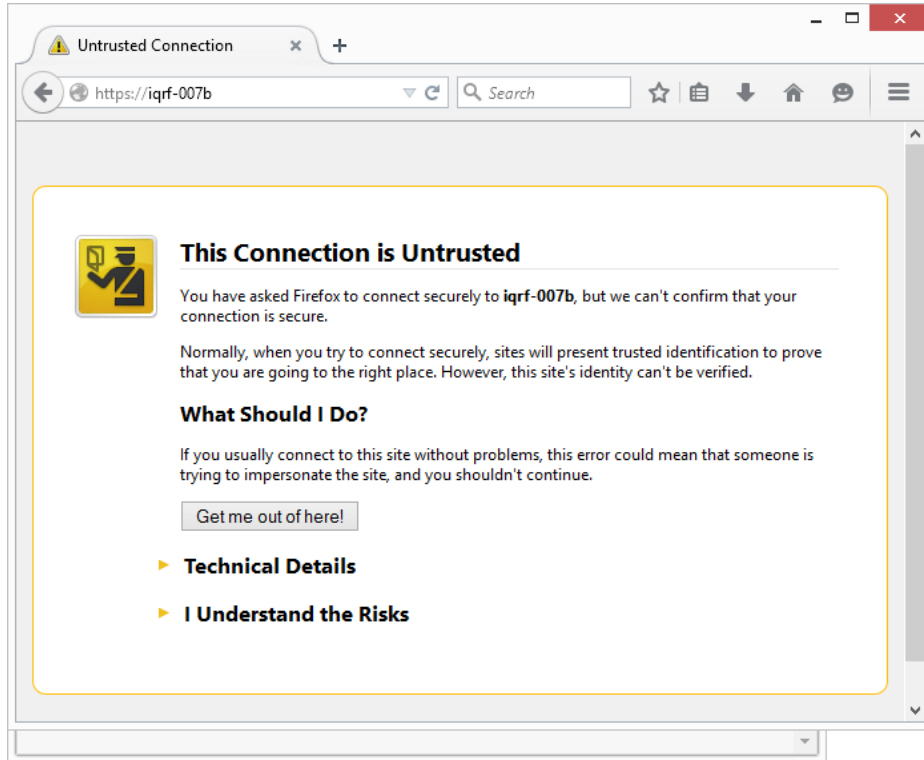
2. Go to <about://config> and click the *I'll be careful, I promise!* button.



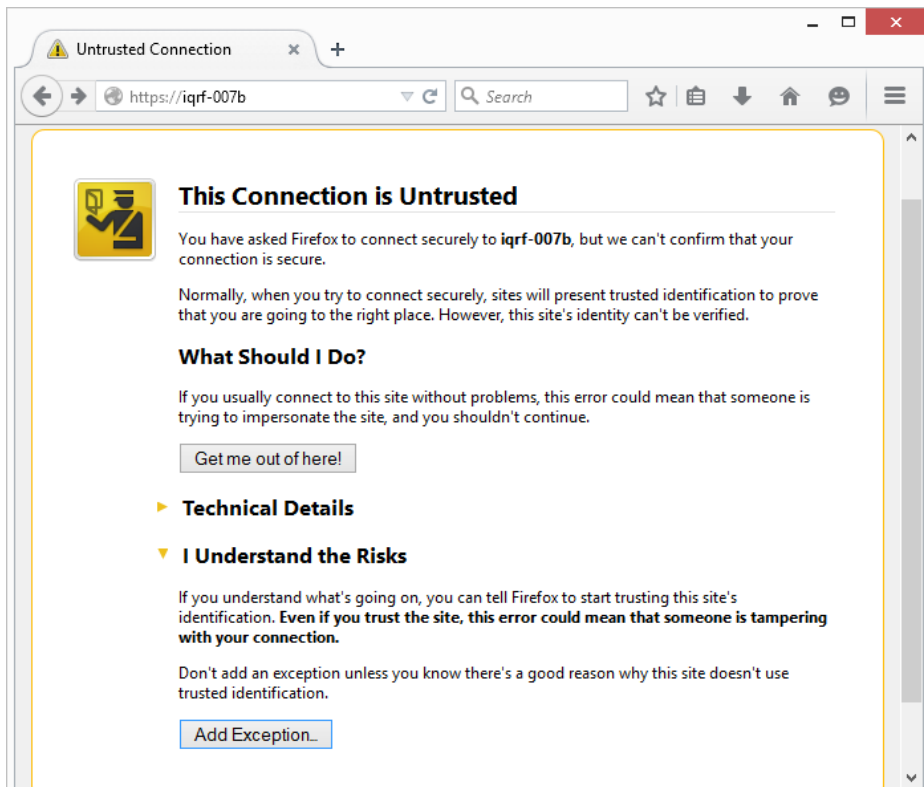
3. Search the `security.TLS.version.min` item and set value `0`.



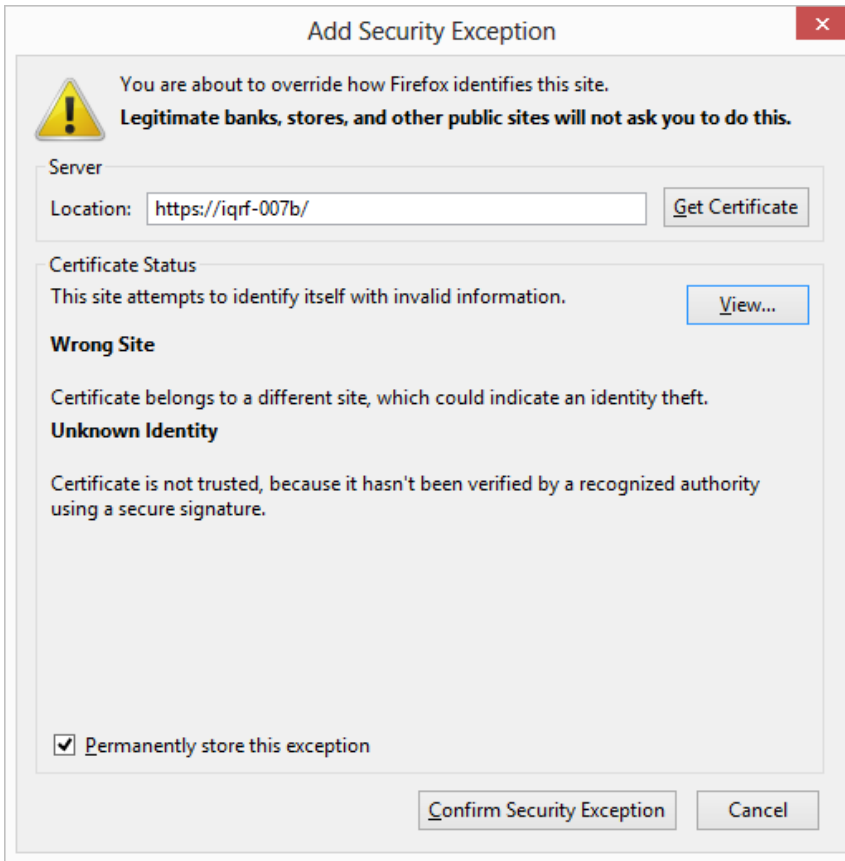
4. Go to <https://<IP address of the GW>> or <https://<Host name>> and click *I understand the Risks*.



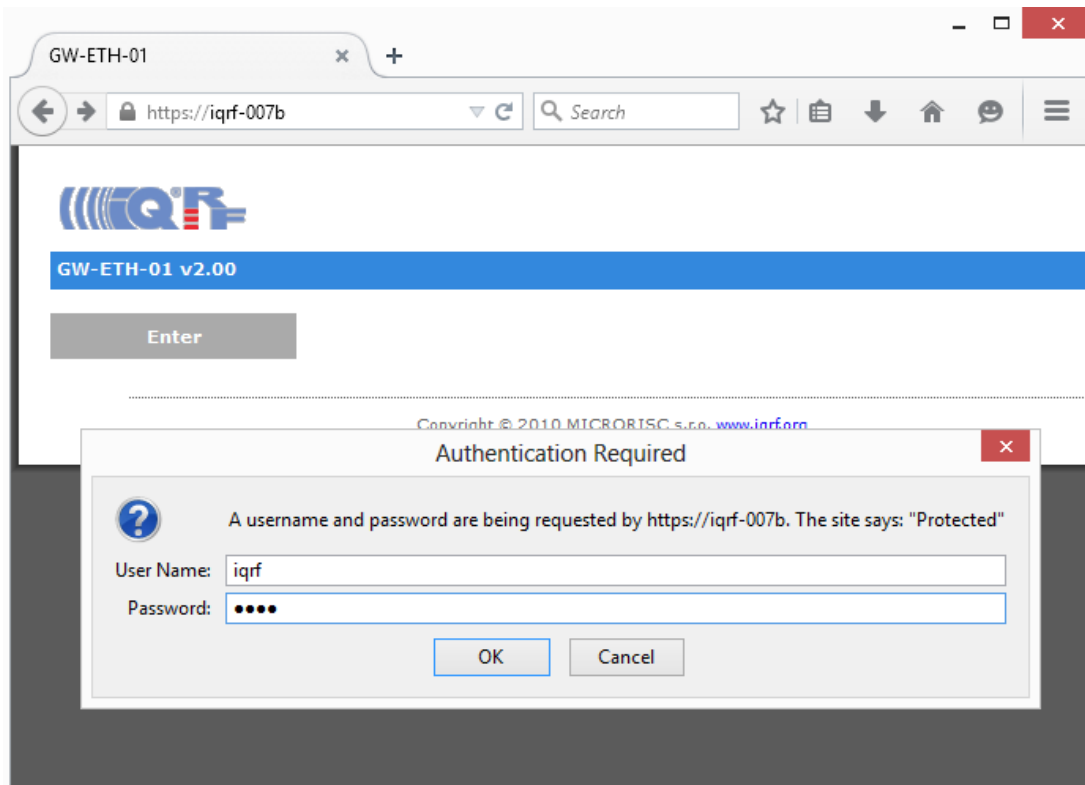
5. Click the *Add Exception...* button.



6. Activate the *Permanently store this Exception* checkbox and click the *Confirm Security Exception* button.

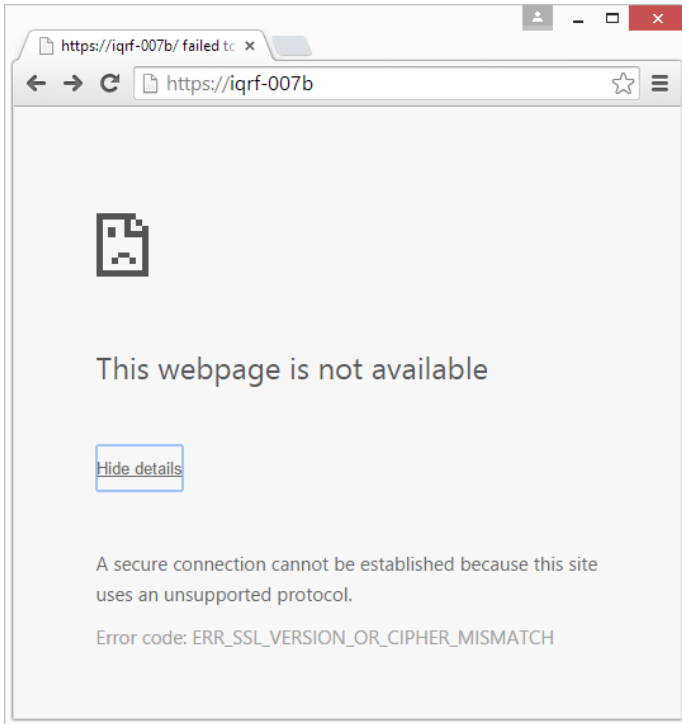


7. If passed O.K., the connection to the gateway is established.

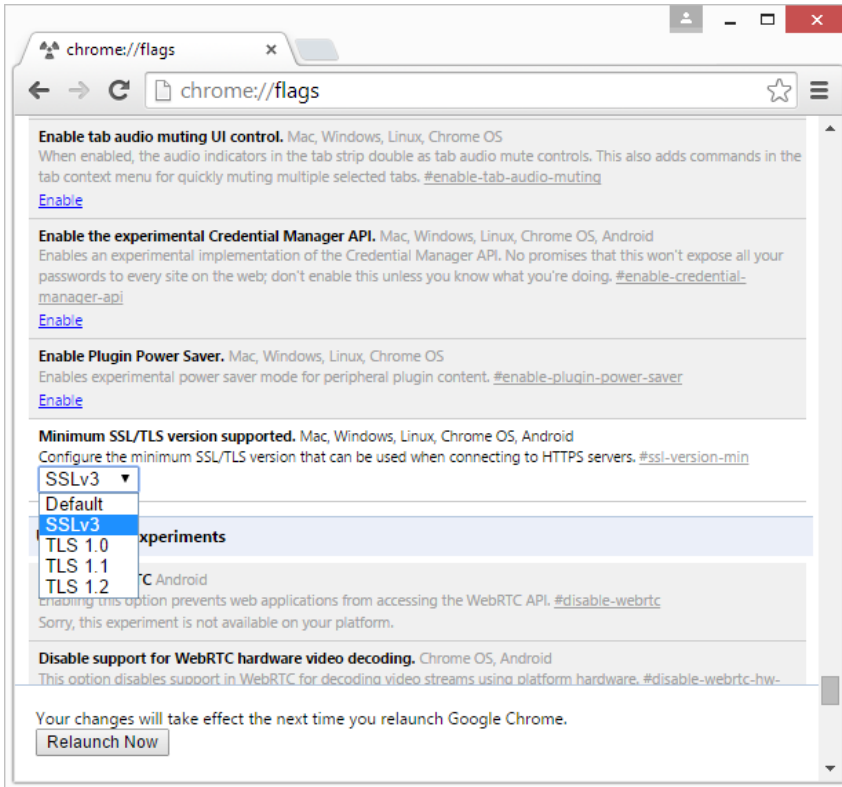


 **For Chrome version 40.0.2214.115 and higher**

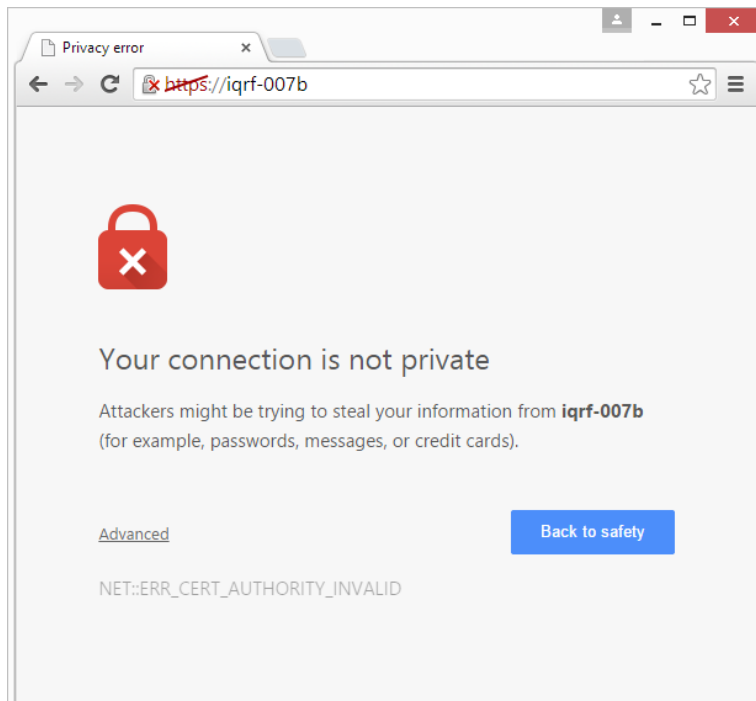
1. Reporting an SSL issue by the browser



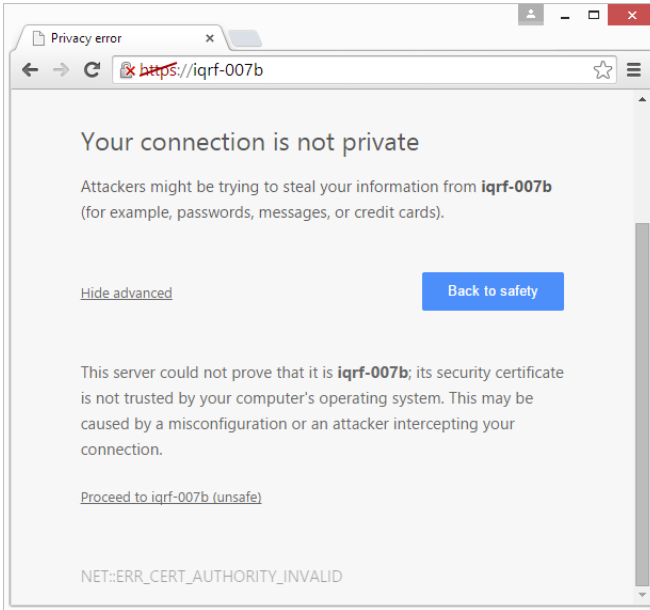
2. Go to <chrome://flags>



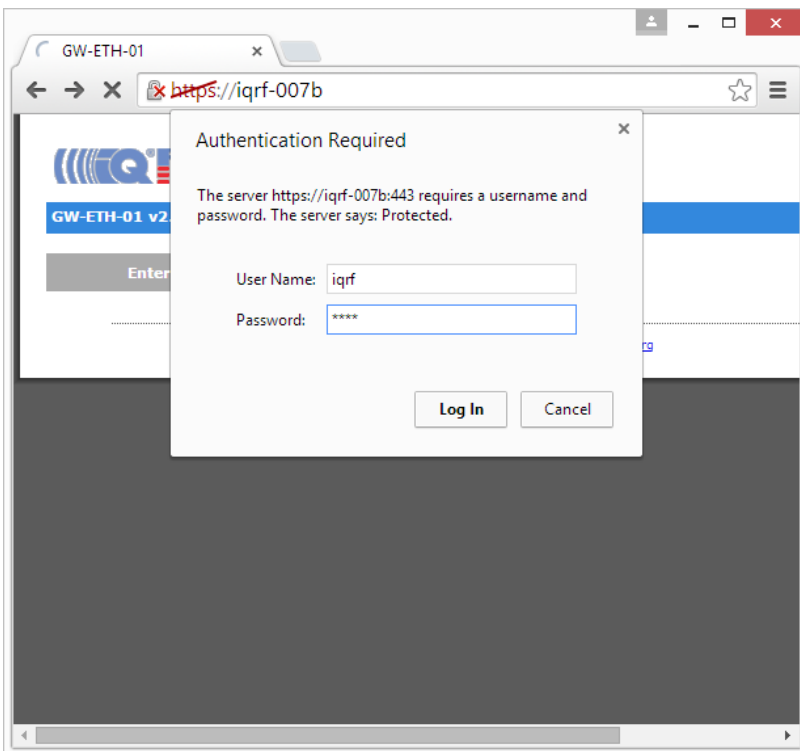
3. Search the *Minimum SSL/TLS version supported* item and set the *SSLv3* value.
4. Go to <https://<IP address of the GW>> or <https://<Host name>> and click *Advanced*.



5. Click *Proceed to iqrf-007b (unsafe)*



6. If passed O.K., the connection to the gateway is established.



Steps 4 to 6 must be repeated whenever the Chrome browser is launched.

Document revision

- 150303 First release

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