

Release Notes

This document lists all modifications, additional features and bug fixes of the:

- iCex software: cex.exe and watchdog.exe
- Reality-Viewer
- Reality-Connector
- Reality-OPC
- iCex-Tools
- Reality communication components.

We defined Three different types of change: "Bug", "Improvement", "change" and "New".

Notes for 04.09.2008

- iCex software – Version 1.1.2.2
- Reality-Viewer – Version 1.1.1.2
- Reality-Connector – version 1.1.0.4
- Reality-OPC – Version 1.1.1.1
- iCex-Tools – Version 1.1.1.20

1	Product	Reality communication components
	Type	Improvement
	Description	Upgrade to newer TCP/IP and Internet library

2	Product	Reality communication components
	Type	New
	Description	Implementation of the NTLM authentication with SSPI to work with ISA Proxy server

3	Product	Reality communication components
	Type	New
	Description	Add option to login in an encrypted session (SSL).

4	Product	Reality communication components
	Type	Change
	Description	Change of fields names in a configuration (INI) file. User should check and set URL, user-name password etc.

5	Product	Reality communication components
	Type	Bug
	Symptom	Upload only part of project items
	Action	Change to work with a quota until getting all project items

6	Product	Reality communication components
	Type	Improvement
	Description	Producer now updates server with an item state due to sample-time and dead-band

7	Product	Reality communication components
	Type	Improvement
	Symptom	Sometimes an item state dose not updates. Appearing in Uncertain quality
	Description	Request of adds or deletes an item to / or from subscribe-list are deleting from the task list only after successfully sending.
	Result	Better synchronization between Reality-Server and Reality applications.

8	Product	Reality communication components
	Type	Improvement
	Symptom	Heavy traffic when user moving between screens or application adding, reading and deleting items frequently.
	Description	Add a linger-time (60 second) to un-use items before deleting from subscribe-list.
	Result	Less traffic, quicker response when switching between screens.

9	Product	Reality communication components
	Type	Improvement
	Symptom	Sometimes there is a difference in the item state between the Reality server and the application.
	Description	Running timer (1 hour) to re-subscribe an item, for items that are not getting any update from the server. The timer is resting each time the item gets an update.
	Result	Force Reality-Server to refresh (Every one hour) unchanged items.

10	Product	Reality communication components
	Type	Bug
	Symptom	Display wrong sample time in the monitor screen.
	Description	Change the way the software handle the Time-Zone.

11	Product	Reality communication components
	Type	Bug
	Symptom	Sometimes after communication error the software lost synchronize with the server. Some of the items display uncertain status.
	Description	Re-subscribe all items after communication error to the server

12	Product	Reality-Connector
	Type	New
	Description	Release software

13	Product	iCex-Tools
	Type	New
	Description	Allow to edit iCex setting in an offline mode.

14	Product	iCex-Tools
	Type	New
	Description	Add option to edit the AT command of the GPRS modem. To handle different kinds of modem initialization

15	Product	iCex-Tools
	Type	New
	Description	Add auto refresh after FTP command.

16	Product	iCex
	Type	Change
	Description	Separate flags for upgrading cex.exe (B24) and watchdog.exe (B26). Add cex.exe upgrade done flag. Add watchdog.exe upgrade done flag. Cancel automatic reboot after upgrading.

17	Product	iCex
	Type	Change
	Description	Cancel the automatic reboot after 10 times of consecutive communication error to the server.

18	Product	iCex
	Type	Change
	Description	Cancel the automatic reboot on lake of resource.

19	Product	iCex
	Type	bug
	Description	Correct read/write Modbus output.

20	Product	iCex
	Type	Change
	Description	Add a keep alive message (every minute) and timeout message to the event loop.
	Result	Improve the synchronization with the server.

21	Product	iCex
	Type	Change
	Description	Delete an update-event (update server with new item value) only after successful communication..
	Result	Improve the synchronization with the server.

Notes for 04.09.2008

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22	Product	iCex
	Type	Change
	Description	Watchdog.exe is active (wait for run messages from the cex.exe) only if the "run watchdog" flag is set in the iCex setting.
	Result	Prevent from watchdog.exe to rebooting the iCex unit if not set to do it.

23	Product	iCex
	Type	Change
	Description	iCex reset retries count after triggering the PLC to restart the modem
	Result	The unit will continue to set restart command after 10 consecutive failures to establish GPRS communication.

24	Product	Reality-Viewer
	Type	Add
	Description	Adding manual

Notes for 15.10.2008

- iCex software – Version 1.1.2.3
- Reality-Viewer – Version 1.1.1.2
- Reality-Connector – version 1.1.0.5
- Reality-OPC – Version 1.1.1.1
- iCex-Tools – Version 1.1.1.20

25	Product	iCex
	Type	Bug
	Description	Status/b12 (Force read from PLC and update server) was sending only change data. Now send all data no mater if change or not.

26	Product	iCex
	Type	Bug
	Description	Status/b1 (PLC Communication status flag) dose not reset in communication error when running SNPX drive.

27	Product	Reality-Connector
	Type	New
	Description	Add Reality producer functionality.
	Result	User application that used Reality connector can act now as producer and send data to Reality as other producer.

28	Product	iCex
	Type	New
	Description	Adding read signal quality
	Result	Read signal quality before every PPP connection and write result to (new) status/s1 variable.

29	Product	iCexTool
	Type	New
	Description	Adding read signal quality AT command to GPRS setting.

30	Product	iCex
	Type	Improvement
	Description	Set restart flag after every 10 retries.
	Result	Improve modem hang up recovery.

- iCex software – Version 1.1.2.3

31	Product	iCex
	Type	Change
	Description	Remove update from list after 3 retries

32	Product	iCex
	Type	New
	Description	Add s2 as start statistic date

33	Product	iCex
	Type	Bug
	Description	Communication error after writing 4 byte register (Float and double).

34	Product	iCex
	Type	Change
	Description	Change item status to "Com Err" after three consecutive fail.

- iCex software – Version 1.1.2.4

35	Product	iCex
	Type	Change
	Description	Increasing TCP/IP timeout to prevent disconnecting in case of overload on the system.

36	Product	iCex
	Type	Change
	Description	Increasing and randomizing the sleep time between TCP/IP retries.

- iCex software – Version 1.1.2.6

37	Product	iCex
	Type	Change
	Description	Improve Read signal procedure to handle different modems.

38	Product	iCex
	Type	Change
	Description	The way iCex handle server communication error. Error on: after 3 rd. retries or unit dose not login.

- iCex software – Version 1.1.2.7

39	Product	RealIcon, ROPC, RealView, iCexTools
	Type	Change
	Description	Cleanup all subscribes on closing

- RealView – Version 1.1.1.2
- RealIcon – Version 1.1.0.5
- ROPC – Version 1.1.2.6
- iCexTools – Version 1.1.3.7