

Technical Information	Date: 24.11.2017 Official: Marier Department: ST-FIR/MKP3
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Tech. Information No.	2130_A2 / 2017
Subject:	Potential connection issue old FK 100 LSN RF / new DOW1171-D

Short Description:	Potential connection issue between wireless detectors DOW1171-D and older FK 100 LSN RF installed in the field.
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Hardware <input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> Device	<input type="checkbox"/> Module	<input type="checkbox"/> PCBA
Software <input type="checkbox"/>	<input type="checkbox"/> Application	<input type="checkbox"/> Driver / Extension	<input type="checkbox"/> Firmware

Affected Products (details)	CTN	SAP no.	Aff. version	New version
Interface module, wireless	FK 100 LSN RF	4.998.111.422	n.a.	n.a.
Wireless detector	DOW1171-D	F.01U.321.153	n.a.	n.a.

Number of delivered devices	n.a.
Period of delivery	from: n.a. to: n.a.
Affected serial numbers	from: n.a. to: n.a.

Priority Level	Criterion
I <input type="checkbox"/>	The change has to be made immediately (see dates below)
II <input type="checkbox"/>	The change has to be made during the next inspection.
III <input checked="" type="checkbox"/>	Change has to be made, if the error pattern occurs.
None <input type="checkbox"/>	General Information (like new tool, new feature, new SW release)

Action Plan	
<input checked="" type="checkbox"/>	Inform customers
<input type="checkbox"/>	Arrange re-work of stock (CSO)
<input type="checkbox"/>	Arrange re-work of stock (customer)
<input type="checkbox"/>	Arrange re-work of installed products
<input type="checkbox"/>	See detailed actions on following pages

Error(s) and Effect(s)**Precondition**

- The installed wireless system (FK 100 LSN RF + DOW1171-D's) has been running without communication problems.

Trigger:

- Faulty / dirty wireless detector is replaced
- All detectors exchanged after eight years (IE maintenance plan)



Error pattern

- The installed FK 100 LSN RF does not allow to log in and commission of the replacement detector(s) without problems.

→ **Log in and communication with the replacement detector(s) fail.**

Note: So far the log in issue has been reported only for gateways which contain the radio module SPU6002 with software versions M78 and older (e.g. M77, M75, ...) and have been installed before 2011.

The following illustration shows which combination of the wireless interface module (FK 100 LSN RF) and the wireless detectors (DOW1171-D) is affected:

FK 100 LSN RF 	DOW1171-D 	Connection
Installed base Radio module SPU6002, Version M78 and lower (e.g. M77, M75,...)	Old	✓
Installed base Radio module SPU6002, Version M78 and lower (e.g. M77, M75,...)	New, produced recently	Potential issues with log-in and communication
New Radio module SPU6002, Version M90 and M91	Old	✓

Cause

- Aging of components on older FK 100 LSN RF.

Action(s)

- When a wireless detector (DOW1171-D) replacement is due, please keep in mind that it might be necessary to replace the gateway FK 100 LSN RF.

Identification

- The software version of the radio module can be found on the radio module's label (visible when the gateway's housing is open):



SPU6002 with software version M78



SPU6002 with software version M91

Required Components	Part no.
FK 100 LSN RF	4.998.111.422

BU Manager	Knauel	Clerk in Charge:	Marier
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Distribution

Distribution BU FIR	<input checked="" type="checkbox"/> Eckhard Schlueter (ST-FIR/QMM), Claudia Majer (ST-FIR/QMM), Knauel Thomas (ST-FIR/MKP ST-FIR/MKT), Heckl Michael (ST-FIR/MKP3) <input checked="" type="checkbox"/> Angstenberger Josef (ST-FIR/MKR-EU) <input type="checkbox"/> Ong Kah Seong (ST-FIR/MKR-AP), Leonard Hew (ST-FIR/MKR-AP), Quek Daniel (ST-CO/MKR2-AP) <input type="checkbox"/> Paredes Ivan (ST/MKR-LA), Render Chelsea (ST/SRM-NA) <input type="checkbox"/>
Distribution BU IN	<input type="checkbox"/> Dammertz Daniela (ST-IN/RBU-EU MKP-EU MKA-EU), Endres Dirk (ST-IN/QMM), Kachel Roxanne (ST-IN/QMM), Gueche Sandra (ST-IN/MKP-EU), Hupka Peter (ST-IN/MKP-EU), Weissert Thorsten (ST-IN/MKP-EU), Clemens Jasper (ST-IN/CLP-EU MKP-EU), Poessnecker Peter (ST-IN/CLP-EU) <input type="checkbox"/> Gudduschat Cordula (ST-IN/MKT MKR-EU), Kugler Gerhard (ST-IN/MKR2-EU), Berberian Alexandra (ST-IN/MKR-SEF), Tantry Ananth (ST-IN/MKR-SEM), Karlsson Mathias (ST-IN/MKR-SEN), Gomez Arevalo Olga (ST-IN/MKR-SEI), Malek Michal (ST-IN/MKR-SEP), Oppab Maria (ST-IN/MKR-SAN) <input type="checkbox"/> Squarize Alex (ST/SRM-LA ST-FIR/MKR-LA), Garms Paul (ST-IN/MKR-NA) <input type="checkbox"/> Borden Scott (ST-IN/ENG-EU), Meichelbeck Markus (ST-IN/ENG-EU) <input type="checkbox"/> Schmidt Michaela (ST-IN/MKW) <input type="checkbox"/> Adelmann Petra (ST-ESS/ENG1)
Distribution BU ESS	<input type="checkbox"/> Tan Boon Chuan (ST-ESS/MKP1.4), Maier Holger (ST-ESS/MKP1.2), Wings Maarten (ST-ESS/MKP1.3), Redeker Bernd (ST-ESS/QMM), Jan von Rosenstiel (ST-ESS/MKP1.1), Jekelius Friederike (ST-ESS/MKP1) <input type="checkbox"/> Funke Thomas (ST-ESS/ENG) <input type="checkbox"/> Nikolas Mangold-Takao (ST-ESS/MKP1), Jaco Liebetrau (ST-ESS/MKT) <input type="checkbox"/> Markus Brack (ST-ESS/MKP2.3), Huse Istvan (ST/PRM2-EU) <input type="checkbox"/> Gary Deng (ST-PRM-CN), Roth Christy (ST-IN/MKR-NA), Claude Hochreutiner (ST-ESS/MKR-AP), Mauricio Santos (ST/SPS-LA), Mikhail Zyrianov (ST-ESS/MKR-EU ST-ESS/MKR-SEP) <input type="checkbox"/> Bies Geert (ST-ASA/MKP1)
Other parties affected	<input checked="" type="checkbox"/> Schrimpf Felix (ST-ASA/PRM) <input checked="" type="checkbox"/> Proyer Konrad (ST-ASA/SRA-EU), Wilson Jim (ST-ASA/SRA-NA), Tan Woo Khiang (ST-ASA/SRA-AP) <input type="checkbox"/> Hemke Tobias (ST-ASA/STS3-EU); Gill Manjit (ST-ASA/STS-UK) <input type="checkbox"/> Teleservice Support (SO/OMM7.3-Mb) <input type="checkbox"/> Pedolzky Georg (ST-IE/PRM1) <input checked="" type="checkbox"/> Schwichtenberg Heiko (ST-IE/PRM2) <input type="checkbox"/>