

## I. IDENTIFICATION DATA

<b>Thesis name:</b>	<b>Secure Firmware Upgrade of Embedded Platform</b>
<b>Author's name:</b>	<b>Jan Šimůnek</b>
<b>Type of thesis :</b>	bachelor
<b>Faculty/Institute:</b>	Faculty of Electrical Engineering (FEE)
<b>Department:</b>	Department of telecommunication engineering
<b>Thesis supervisor:</b>	Ing. Bc. Marek Neruda, Ph.D.
<b>Supervisor's department:</b>	Department of telecommunication engineering

## II. EVALUATION OF INDIVIDUAL CRITERIA

<b>Assignment</b>	<b>challenging</b>
<i>Evaluation of thesis difficulty of assignment.</i>	
Student should propose and implement secure firmware upgrade for embedded platform.	

<b>Satisfaction of assignment</b>	<b>fulfilled</b>
<i>Assess that handed thesis meets assignment. Present points of assignment that fell short or were extended. Try to assess importance, impact or cause of each shortcoming.</i>	
Student fulfilled the assignment.	

<b>Activity and independence when creating final thesis</b>	<b>A - excellent.</b>
<i>Assess that student had positive approach, time limits were met, conception was regularly consulted and was well prepared for consultations. Assess student's ability to work independently.</i>	
Student worked alone and when necessary he asked for a meeting and communicated actively. He was prepared for regular consultations.	

<b>Technical level</b>	<b>A - excellent.</b>
<i>Assess level of thesis specialty, use of knowledge gained by study and by expert literature, use of sources and data gained by experience.</i>	
Student presents conclusions from expert literature and based on this information he proposed a solution for embedded devices. Level of the thesis specialty is high.	

<b>Formal and language level, scope of thesis</b>	<b>A - excellent.</b>
<i>Assess correctness of usage of formal notation. Assess typographical and language arrangement of thesis.</i>	
The thesis has 82 pages, which is format of diploma thesis. Template is chosen as recommended one. Typographical and language arrangement of thesis is at a great level.	

<b>Selection of sources, citation correctness</b>	<b>A - excellent.</b>
<i>Present your opinion to student's activity when obtaining and using study materials for thesis creation. Characterize selection of sources. Assess that student used all relevant sources. Verify that all used elements are correctly distinguished from own results and thoughts. Assess that citation ethics has not been breached and that all bibliographic citations are complete and in accordance with citation convention and standards.</i>	
The thesis contains 47 citations written according to citation convention and standards. Most of the citations are online source (web page). It also includes scientific papers and books.	

<b>Additional commentary and evaluation</b>
<i>Present your opinion to achieved primary goals of thesis, e.g. level of theoretical results, level and functionality of technical or software conception, publication performance, experimental dexterity etc.</i>
Please insert your commentary (voluntary evaluation).



## SUPERVISOR'S OPINION OF FINAL THESIS

### III. OVERALL EVALUATION, QUESTIONS FOR DEFENSE, CLASSIFICATION SUGGESTION

*Summarize thesis aspects that swayed your final evaluation.*

Student presents a comprehensive thesis focused on secure firmware upgrade of embedded devices. He used conclusions from expert literature in his work, he described the procedure in deep, and formal level is very high. I evaluate handed thesis with classification grade **A - excellent**.

Date: **6.6.2018**

Signature: