

## I. IDENTIFICATION DATA

<b>Thesis title:</b>	<b>The Future of Fixed and Mobile Internet Connection and Its Influence on the Development of Networks</b>
<b>Author's name:</b>	<b>Zifan Han</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. Jaromír Hrad, Ph.D.
<b>Supervisor's department:</b>	Department of Telecommunication Engineering

## II. EVALUATION OF INDIVIDUAL CRITERIA

<b>Assignment</b>	<b>ordinarily challenging</b>
<i>How demanding was the assigned project?</i>	
The student's task was to perform a research focused on promising technologies used for Internet connection in access networks and to articulate, based on the research results, own conclusions that should illustrate the probable course of their development in the coming years.	

<b>Fulfilment of assignment</b>	<b>fulfilled</b>
<i>How well does the thesis fulfil the assigned task? Have the primary goals been achieved? Which assigned tasks have been incompletely covered, and which parts of the thesis are overextended? Justify your answer.</i>	
The student had been working with respect to the supervisor's demands and advices, implementing all suggested parts of the thesis as requested. Therefore, I consider the original assignment completely and adequately fulfilled.	

<b>Activity and independence when creating final thesis</b>	<b>A - excellent.</b>
<i>Assess whether the student had a positive approach, whether the time limits were met, whether the conception was regularly consulted and whether the student was well prepared for the consultations. Assess the student's ability to work independently.</i>	
The student was active, sending finished parts for check and asking for consultations whenever necessary. The delayed submission was caused by complications related to Covid-19 and its final shape clearly benefits from the extended time.	

<b>Technical level</b>	<b>B - very good.</b>
<i>Is the thesis technically sound? How well did the student employ expertise in his/her field of study? Does the student explain clearly what he/she has done?</i>	
The student has searched enough relevant resources and based the conclusions on them. Some minor flaws could have remained in the final version of the thesis, but generally its technical level is very good.	

<b>Formal level and language level, scope of thesis</b>	<b>B - very good.</b>
<i>Are formalisms and notations used properly? Is the thesis organized in a logical way? Is the thesis sufficiently extensive? Is the thesis well-presented? Is the language clear and understandable? Is the English satisfactory?</i>	
Perhaps not all formal mistakes have been corrected, but the student was working hard also on this aspect. From my point of view, the thesis is basically well organized and the formal presentation is much better than the average.	

<b>Selection of sources, citation correctness</b>	<b>A - excellent.</b>
<i>Does the thesis make adequate reference to earlier work on the topic? Was the selection of sources adequate? Is the student's original work clearly distinguished from earlier work in the field? Do the bibliographic citations meet the standards?</i>	
The student was actively searching for literature and online resources dealing with the topic. Their final selection and presentation is fine. Also, own contribution resulting from their independent assessment is undoubtable.	

**Additional commentary and evaluation (optional)**

*Comment on the overall quality of the thesis, its novelty and its impact on the field, its strengths and weaknesses, the utility of the solution that is presented, the theoretical/formal level, the student's skillfulness, etc.*

The thesis can serve as a good summary presenting the state-of-the-art in the field of fixed and mobile access networks and providing an insight into their future development with respect to the emerging technical solutions and social needs.

**III. OVERALL EVALUATION, QUESTIONS FOR THE PRESENTATION AND DEFENSE OF THE THESIS, SUGGESTED GRADE**

*In general, as the supervisor, I am satisfied with the student's work and delivered results. The student had been working independently and communicated with me actively. Although there could be found some minor mistakes in the submitted thesis, they do not substantially affect its usability.*

The grade that I award for the thesis is **A - excellent**.

Date: **31.8.2022**

Signature: