

I. IDENTIFICATION DATA

Thesis title:	Content Caching in Mobile Networks with UAVs
Author's name:	Bc. Filip Krupka
Type of thesis :	master
Faculty/Institute:	Faculty of Electrical Engineering (FEE)
Department:	Department of Telecommunication Engineering
Thesis reviewer:	Doc. Ing. Zdeněk Bečvář, Ph.D.
Reviewer's department:	Department of Telecommunication Engineering

II. EVALUATION OF INDIVIDUAL CRITERIA

Assignment	challenging
<i>How demanding was the assigned project?</i>	
Topic is quite broad and covers several domains and the targeted problem is quite complex in general.	

Fulfilment of assignment	fulfilled
<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>	
Minor variations with respect to the assignment were discussed and approved by the supervisor during the work on thesis.	

Activity and independence when creating final thesis	A - excellent.
<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>	
Student was active and regularly attended meetings and discuss progress. He was also well prepared for the meetings.	

Technical level	C - good.
<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>	
Problems to be solved are formulated in understandable way even if some notations and formulation include minor formal problems or are too complicated. The adopted solutions are heuristic and their description and elaboration is not very deep, but it is sufficient for understanding of the master thesis and these are not significant especially if the complexity of the problem is taken into account.	

Formal level and language level, scope of thesis	C - good.
<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>	
There are quite many typos, grammar issues and incorrect usage of tenses. Also, terminology is not consistent along the thesis. Still the presented ideas and solution are understandable.	

Selection of sources, citation correctness	A - excellent.
<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>	
Key related state of the art papers are referred and used in the thesis in line with standards in the field. The work of student is clearly separated from the related works. Citations could be included also in the section with simulation models and settings to justify settings, but it is just a minor problem.	

Additional commentary and evaluation (optional)
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THESIS SUPERVISOR'S REPORT

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 high-level approaches are interesting, but problem could be solved in a more elegant and efficient way. Still, the ideas are clear and contribution is significant.

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

Summarize your opinion on the thesis and explain your final grading.

The thesis introduces novel solutions and insight into yet not well investigated complex problem in literature. There are some presentation and technical problems, but these are not significant and the work is still at a very good level. The student clearly demonstrated a capability of an independent engineering work.

The grade that I award for the thesis is **B - very good**.

Date: **30.1.2023**

Signature: