Running head: ASSESSING THE POTENTIAL

Assessing the Implications and Challenges Associated with the Development and

Implementation of the NextGen Air Transportation System

by

John A. Smith

A Research Project

Submitted to the Worldwide Campus

In Partial Fulfillment of the Requirements

of Course ASCI 490, The Aeronautical Science Capstone Course,

for the Bachelor of Science in Aeronautics Degree

Embry-Riddle Aeronautical University

July 2015

Abstract

[The abstract is <u>NOT</u> an introduction. It is a brief, comprehensive summary of the contents of the paper. The abstract:

- *Allows readers to quickly survey the content of the paper.*
- *Is accurate, non-evaluative, coherent, readable, and concise.*
- *Should contain key words that relate it to the paper contents.*
- *Should contain the four or five most important concepts or main points of the paper.*
- *Defines the final product produced.*
- *In the Capstone research paper is the final statement of accomplishment. It is written in the third person, past and present tense (as appropriate; past tense for describing actions the student took; present tense for presenting current, valid information). It reflects what the student actually did.*
- *Is typically limited to between 150 to 250 words, but must be no more than 250 words]*

[Note: Page numbers can be any format/location permitted by the APA Publication Manual]

Assessing the Implications and Challenges Associated with the Development and

Implementation of the NextGen Air Transportation System

[The title, exactly as written on the front page, should be repeated to open the body of the proposal]

*[The student must include an **Introduction**. Per the Publication Manual of the American Psychological Association (The "APA") the introduction "… is clearly identified by its position in the manuscript, [therefore] it does not carry a heading labeling it the introduction."]* *(VandenBos, 2009, pg xx).*

[In the Introduction the students should:

- *Introduce the reader to the topic of the paper.*
- *Provide the reader with any historical or background information the student believes necessary to the aid the reader's understanding of the paper.*
- *Explain why the topic of the paper is important to the field.*
- *Define the scope and depth of the project.*
- *Summarize the procedures the students used in developing the paper (i.e. information and data gathering; analysis, evaluation and synthesis; application of critical thought)]*

The introduction should be concise and should flow logically.]

*[In the **Body of the Paper** the students are largely left to establish the format as the find most appropriate for their Capstone, guided by the formatting requirements established by the APA manual.]*

[Fundamentally the format and content of the paper should:

- *Flow from a logical start to a logical finish that builds a supportive case apparent to the reader for the results, conclusions, and recommendations developed. Think of this as the paper's "path".*
- *Provide all the information necessary for the reader to progress from one step to another in the paper without having to make any large leaps of information or logic, while at the same time avoiding superfluous information that does not add to the flow and logic of the paper. In short, the paper should be complete but concise.*
- *Should not overtly explain to the reader how the student has demonstrated his or her skill at all of the POs. Rather, this should be apparent to the reader from the flow and topical content of the paper.*
- *Should employ appropriate APA-formatted headings that subdivide the paper into logical sections of reasonable and appropriate length to both add to the logical flow of*

the paper and to allow the reader a more pleasant and understandable reading experience.

- *Should carefully use words that accurately convey the meaning the student intends.*
- *Build to an ending that provides the reader with the students' defensible results, conclusions, and recommendations, as appropriate.]*

References

VandenBos, G., (Ed.). (2009) Publication manual of the American Psychological Association

(6th ed.). Washington, DC: American Psychological Association.

[In text citations and references must appear in the Capstone Report when necessary in accordance with the rules established by the APA Publication Manual]

APPENDIX A

COPY OF THE APPROVED RESEARCH PROPOSAL

[The students must include a verbatim copy of the previously approved research proposal here as appendix A to the Capstone Research Paper]