EO M240.01 – EXPLORE CURRENT ADVANCEMENTS IN AEROSPACE TECHNOLOGY

1. **Performance**: Explore Current Advancements in Aerospace Technology

2. **Conditions**:

   a. Given:

      (1) Supervision; and

      (2) Assistance as required.

   b. Denied: N/A.

   c. Environmental: Suitable classroom facilities large enough to accommodate the entire group.

3. **Standard**: In accordance with *Space on Earth: How Technology Transfer Benefits Humanity,* and in groups of no more than four, the cadet shall explore current advancements in aerospace technology.

4. **Teaching Points**:

TP	Description	Method	Time	Refs
TP1	Conduct an activity to explore current advancements in aerospace technology. Cadets may come up with the following: a. satellite radio; b. video image stabilization and registration; c. satellite TV; d. DeBakey blood pump; e. global positioning system; f. temper foam; g. advanced communications technology; h. fire-resistant aircraft seats; i. excimer angioplasty system; and j. liquid-cooled garments, etc. **Note:** Refer to http://www.space.com for up-to-date advancements in space technology.	In-Class Activity	25 min	C3-110

5. **Time**:

   a. Introduction / Conclusion: 5 min

   b. In-Class Activity: 25 min

   c. Total: 30 min

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Verify against the official publication.

6. **Substantiation**: An in-class activity was chosen for this lesson as it is an interactive way to present advancements in aerospace technology and stimulate interest among cadets.

7. **References**: C3-110 Space.com. (2006). *Space on Earth: How Technology Transfer Benefits Humanity.* Retrieved 27 February 2007, from http://www.space.com/businesstechnology/technology/tech_hallofame_030101-1.html.

8. **Training Aids**: Presentation aids (e.g. whiteboard/flipchart/OHP) appropriate for the classroom/training area.

9. **Learning Aids**: Information cards.

10. **Test Details**: N/A.

11. **Remarks**: N/A.

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