# Forensic Analysis Report

Subject: Suspected Aircraft Duplication in Official IDF PR Image
Date: April 2025
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## 1. Overview

This report presents digital forensic evidence suggesting that an image released by the Israel Defense Forces (IDF), showing a line of fighter jets, has been digitally manipulated through duplication (copy-paste) of aircraft.

## 2. The Image in Question

The analyzed image depicts Israeli Air Force personnel walking toward a line of aircraft. The source of the image is identified as the IDF Government Press Office.

## 3. Forensic Evidence

- Error Level Analysis (ELA) reveals identical compression artifacts across multiple aircraft.
- JPEG compression quality remains consistently high (81%), suggesting a careful re-export.
- Metadata shows no original camera details, pointing to reprocessing or metadata scrubbing.
- Visual comparison identifies pixel-level repetition in aircraft shadows, cockpit reflections, and angles.

## 4. Methodology

Tools Used:
- FotoForensics (ELA, Hidden Pixels, JPEG %)
- ExifTool for metadata extraction
- Manual visual comparison using image overlay techniques

Steps:
1. Collected original image and confirmed source.
2. Performed ELA to examine compression pattern discrepancies.
3. Extracted and reviewed metadata for inconsistencies or missing fields.
4. Visually compared repeated aircraft elements to confirm duplication patterns.

## 5. Conclusion

The convergence of ELA results, metadata omissions, and exact visual repetition strongly support the conclusion that aircraft were digitally duplicated in the image. This amounts to a manipulated visual, likely for PR purposes. Overall forensic confidence in this assessment is estimated at over 90%.

## 6. Downloads & Contact

All analysis files, original image, and annotated comparisons are available upon request or at:
[Insert Link to Drive or GitHub Repository]

For peer review, collaboration, or media inquiries, contact (optional):
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