

# Remote Identification for Unmanned Aircraft Systems

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**Abstract**—This paper describes a Remote Identification Scheme for Unmanned Aircraft Systems in the context of ASTM RemoteID Specification and the NPNT Regulation in India. It focuses on the way forward for Indian UAS Manufacturers to enable remote identification of their systems by law enforcement and other third parties.

**Index Terms**—Unmanned Aviation, Unmanned Aircraft Systems, Identification, Risk Assessment, Law Enforcement

## I. INTRODUCTION

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### A. Scope & Goals

- 1) pros/cons of ASTM
- 2) comparison with other RemoteIDs
- 3) overlaps between NPNT & ASTM
- 4) Proposed changes to NPNT/DSP ecosystem

NPNT[1]

ASTM Remote ID Specification[2]

Benefits of adopting ASTM; changes to the existing DSP/UFI architecture to work with ASTM.

## II. PREVIOUS WORK

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### A. subsection

### B. another subsection

## III. METHODOLOGY

**Theorem 1** (Theorem name). *For a named theorem or theorem-like environment you need to insert the name through Insert> Short Title, as done here.*

**Lemma 2.** *If you don't want a theorem or lemma name don't add one.*

*Proof:* And here's the proof! ■

## IV. RESULTS

## V. CONCLUSIONS

bla bla

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Fig. 1. Captions go *under* the figure

TABLE I

TABLE CAPTIONS GO *above* THE TABLE

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example	table

## APPENDIX A

### FIRST APPENDIX

Citation: [3], [4], [5]

## APPENDIX B

### SECOND APPENDIX

### ACKNOWLEDGMENT

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## REFERENCES

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- [5] R. Bringhurst, *The Elements of Typographic Style*, ser. Version 4.0: 20th Anniversary Edition. Point Roberts, WA, USA: Hartley & Marks Publishers, 2013.

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