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# Reducing redundancy in IPFIX and PSAMP reports

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# Facts

- Submitted as IPFIX WG Item in August 2006
- Milestone: November 2006
- Document reasonably complete
- Feedback welcome

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# Changes from version -00

- Overall text improvement, Clarifications
- New definition of Transport Session [IPFIX-PROTO]
- Section 3 “Problem Statement and High Level Solution” rewritten for clarity
- The Collecting Process Side, reorganised:
  - Default SCTP, separate sections for TCP, UDP
  - More details given for UDP, similar to [IPFIX-PROTO]
- New example “commonPropertiesID Template Withdrawal Message” in the Appendix

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# commonPropertiesID

- The commonPropertiesID is an identifier of a set of common properties that is locally unique per Observation Domain and Transport Session.
  - Similar to TemplateID uniqueness in [IPFIX-PROTO]
- commonPropertiesID and templateID have a similar management
- IPFIX-INFO should be updated

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# Document outline

- **Introduction (IPFIX and PSAMP Documents Overview)**
  - **Terminology (Terminology Summary Table, IPFIX Flows versus PSAMP Packets)**
  - **Problem Statement and High Level Solution (Per Flow / Per Packet Data Reduction)**
  - **Specifications for bandwidth saving information export (Per Flow / Per-Packet Data Reduction)**
  - **Transport Protocol Choice (PR-SCTP, UDP, TCP)**
  - **commonPropertiesID Management**
  - **The Collecting Process Side (UDP, TCP)**
  - **Export and Evaluation Considerations**
    - **Transport Protocol Choice, Reduced Size Encoding, commonPropertiesID vs. TemplateID scope, Efficiency Gain**
  - **IANA and security considerations**
  - **Appendix A: Examples:**
    - **Per Flow Data Reduction, Per-Packet Information Export, commonPropertiesID Template Withdrawal Message**
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# Conclusions

- The authors think the draft is quite complete
  - Last call?
- Reviews and comments welcome!