



*"LEADING THE WAY TO IMPLEMENTATION"*

# Formal Arrangements

## An important step towards reliable data

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# Shopping on the Market



**Tomatoes = 1 kg**

# Consumer Assumptions

On the market you as consumer trust the vendor

- that he provides a kilo of tomatoes
- that the kg weight stone is calibrated

... as a consumer you rate the quality yourself

In the supermarket you as consumer expect the vendor

- to assess and label the goods accordingly



... as a consumer you rely on this quality assessment and the formal arrangement between the supermarket and the supplier

# Balancing Data and Trust



**Formal Arrangement**

# Understanding the value



A formal handshake between two parties



A binding contract between two parties



Certificate of guarantee of data quality for the next intended user

In the context of AIM the Formal Arrangement is established between a **Data Originator** and the **Designated AIS**.

# Regulatory context for Formal Arrangements

- ❑ Not new: Already addressed in the ICAO Roadmap for the Transition from AIS to AIM (Step P-18)
- ❑ Annex 15, Chapter 2.1.5 :  
“Each Contracting State shall ensure that **formal arrangements** are established between originators of aeronautical data and aeronautical information and the AIS ...”
- ❑ PANS AIM, Chapter 2.1.1.3, 2.1.1.4, 2.1.1.5:
  - 2.1.1.3...
  - 2.1.1.4 The list of aeronautical information subjects and their properties, as contained in Appendix 1, should be used to **establish formal arrangements** between the originators and the AIS.
  - 2.1.1.5...



## Minimal content of formal arrangements:

- Regulatory framework
- Data origination
- Quality assurance
- Metadata and quality reporting
- Data delivery
- Error handling

Formal  
Arrangement

**DATA PROVISION AGREEMENT**

between

*[the name of the entity receiving the aeronautical data or  
aeronautical information];*  
(hereinafter "The Data Receiver")

and

*[the name of the entity providing the aeronautical data or  
aeronautical information]*  
(hereinafter "The Data Provider")

Source: ICAO Doc 8126

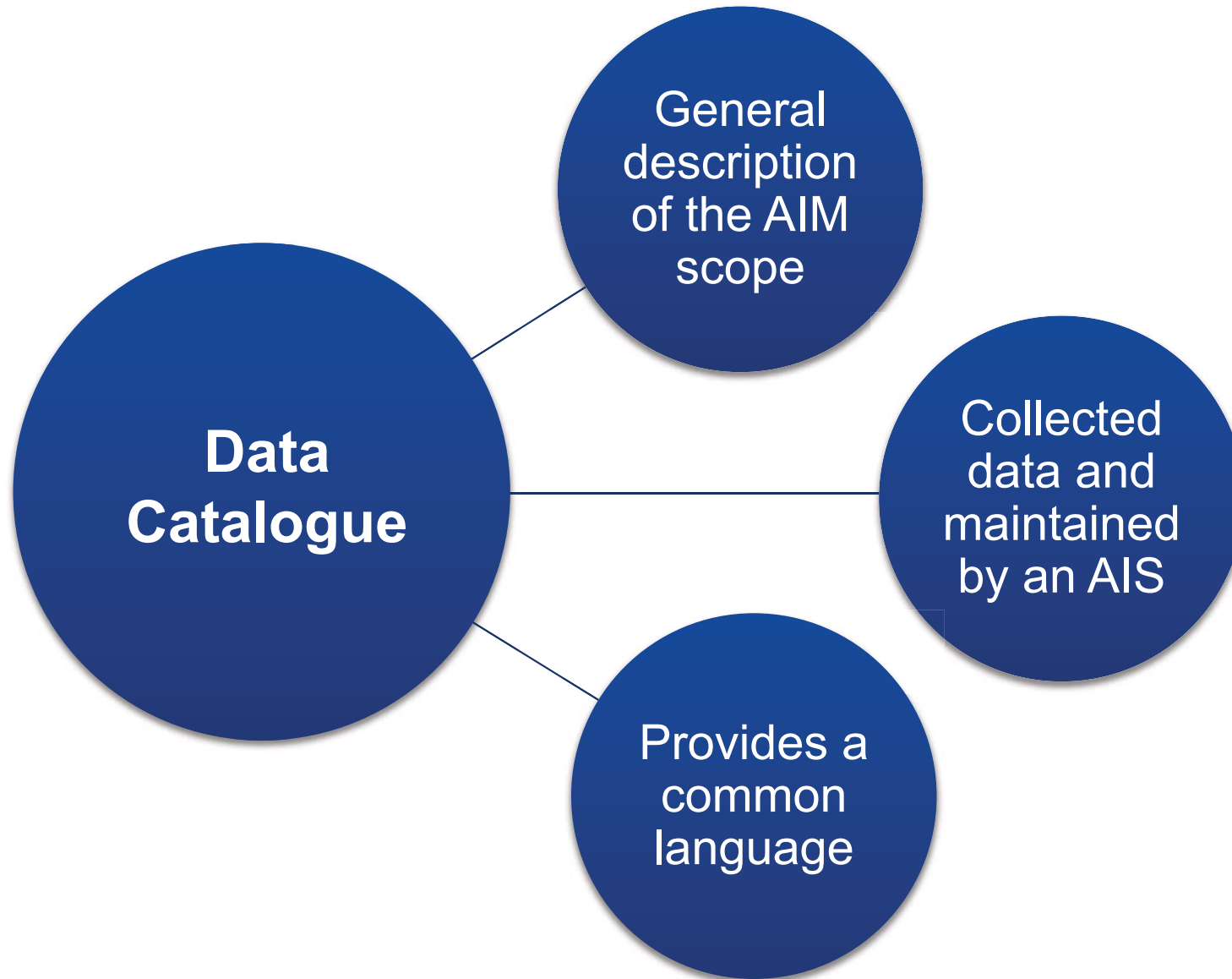


# Aeronautical Data Scope

**Data scope – Data origination**  
collected and assembled  
aeronautical data transmitted to  
an AIS

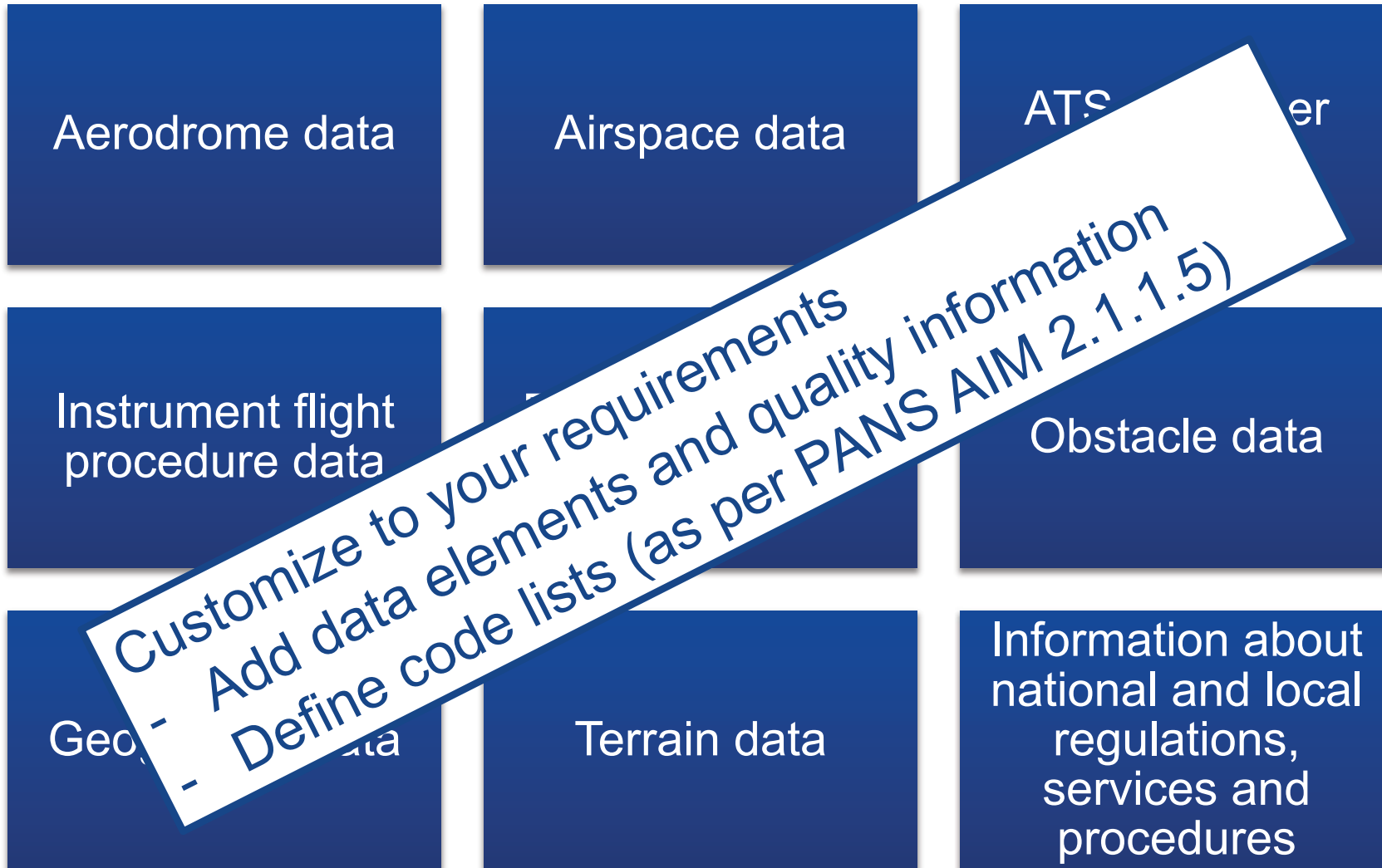


**Data Catalogue**  
PANS-AIM (Doc 10066),  
Appendix 1



# Aeronautical Data Catalogue

- ❑ The Data Catalogue is a “dictionary” containing detailed descriptions of all subjects, properties and sub-properties, data requirements and data types.



**Establish the trust in your data ...**

**... start implementing Formal Arrangements now**



**Thank you for your attention!**

Questions & Comments