Ingest

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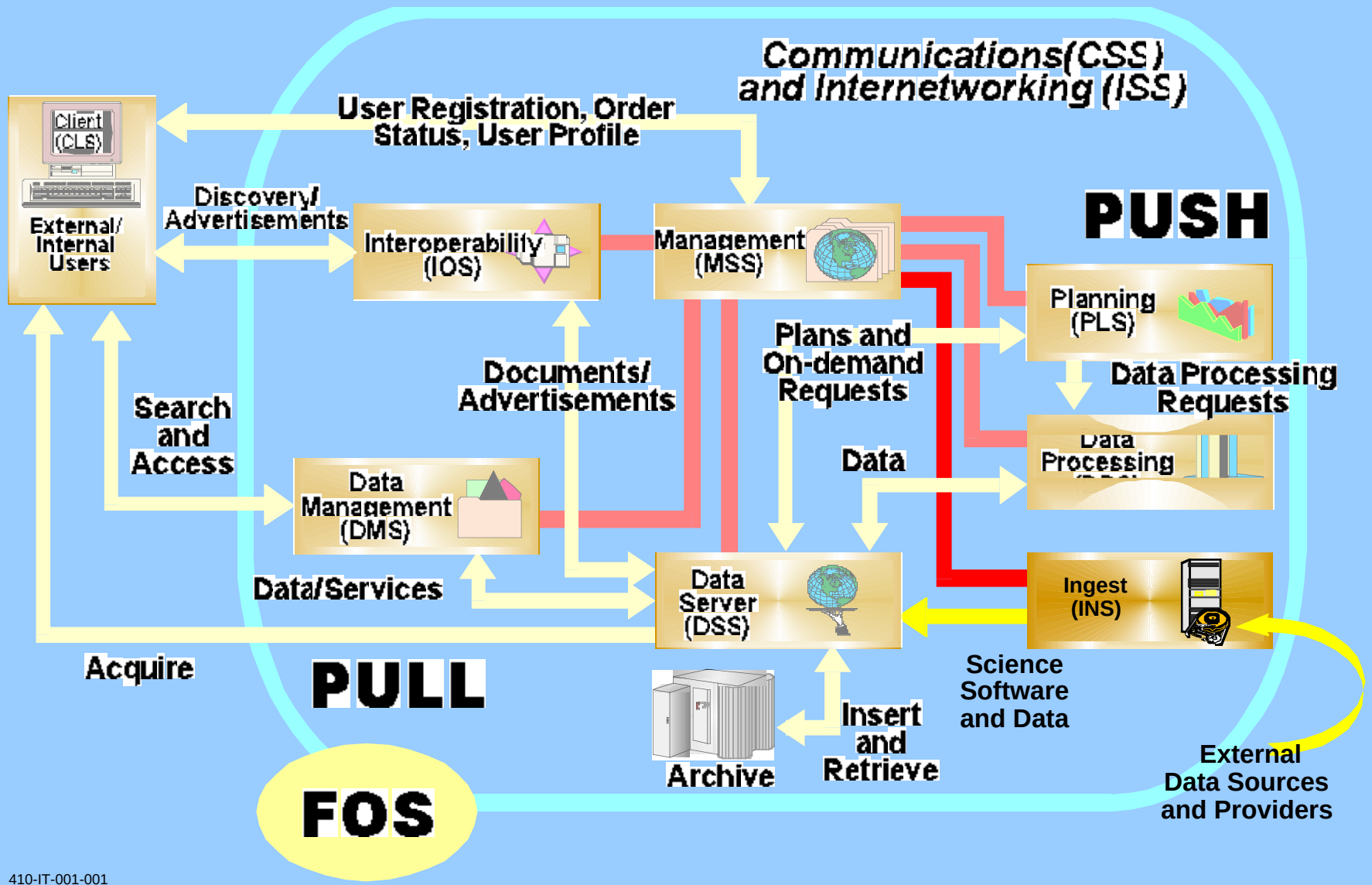
410-IT-001-001

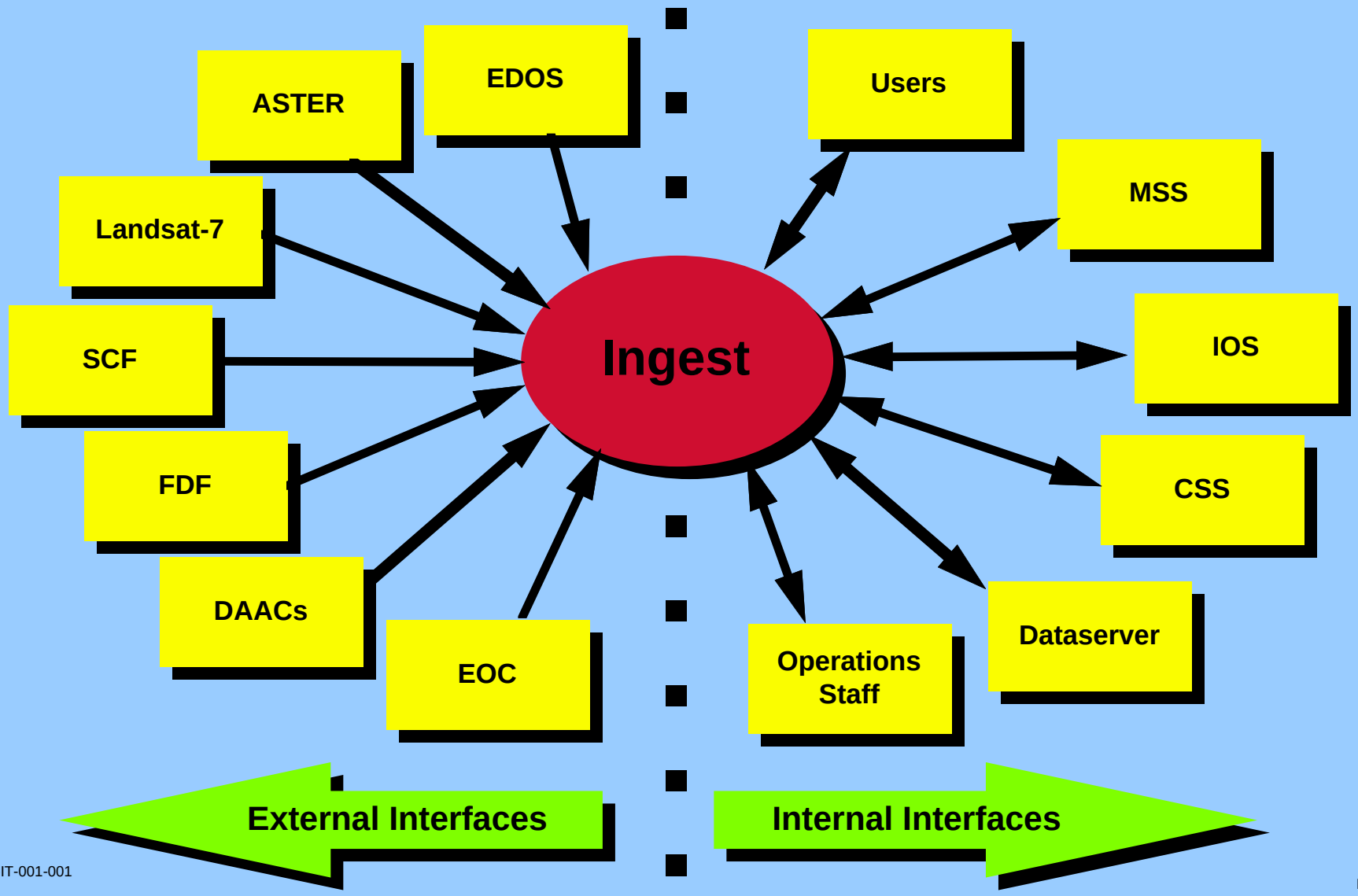
ECS Context


Communications(CSS)
and Internetworking (ISS)
User Registration, Order
Status, User Profile
Client
(CLS)
External/
Internal
Users
Discovery/
Advertisements
Interoperability
(IOS)
Management
(MSS)
PUSH
Planning
(PLS)
Plans and
On-demand
Requests
Data Processing
Requests
Documents/
Advertisements
Search
and
Access
Data
Processing
Data
Management
(DMS)
Data/Services
Data
Server
(DSS)
Ingest
(INS)
Acquire
PULL
Science
Software
and Data
Insert
and
Retrieve
Archive
External
Data Sources
and Providers
FOS

Ingest Subsystem Overview

- Ingest of data from Rel. B external data providers (e.g., EDOS, Aster, NOAA/NESDIS, etc.)
- Provides single point of monitoring and control of data ingested from external data providers
  - Data transfer and transmission checking
  - Data conversions (as required)
  - Metadata extraction (as required)
  - Critical metadata checking
  - Storage of Level 0 data for one year
  - Inserts Level 0 and higher-level data into the Data Server

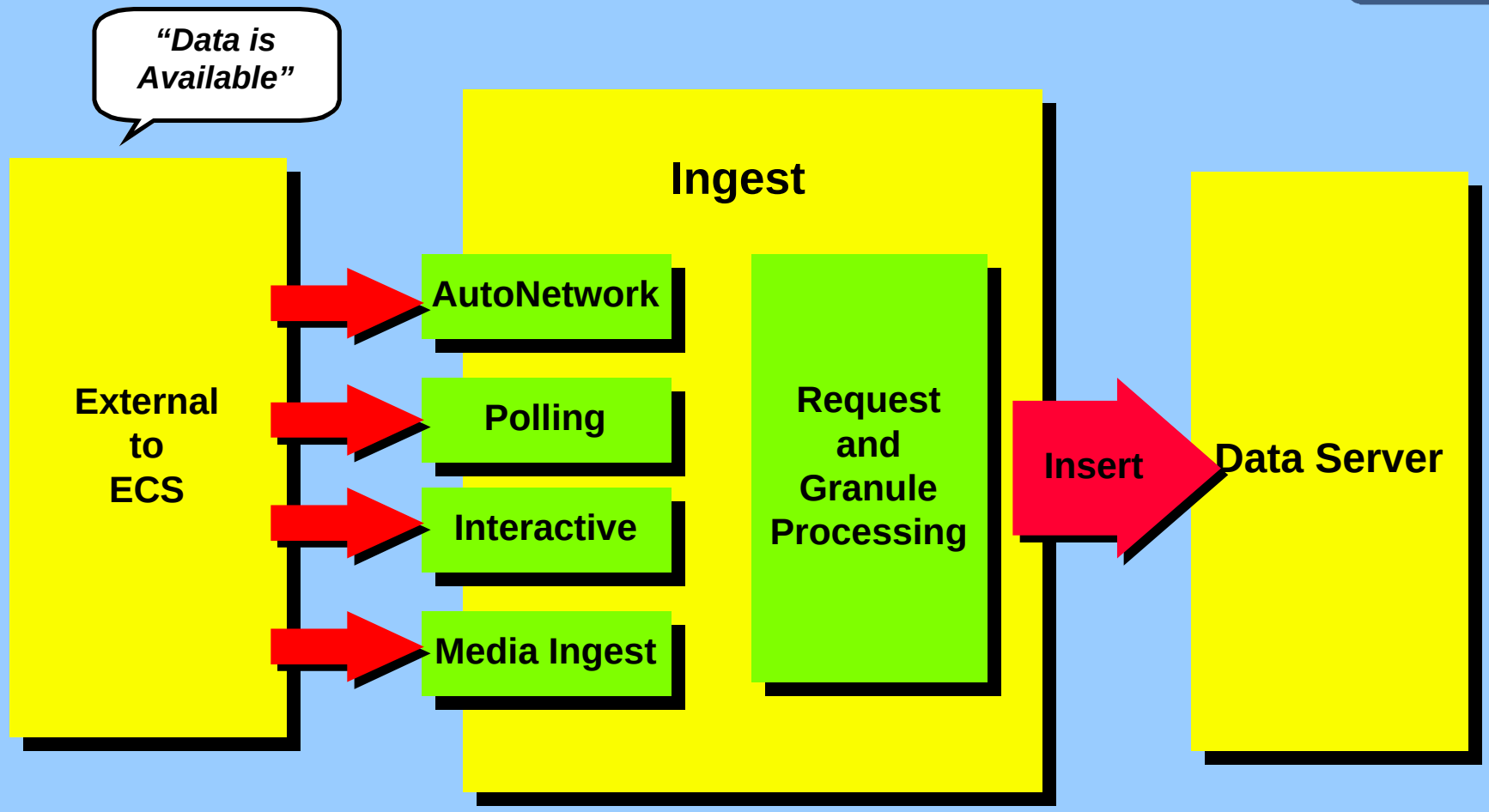
Ingest Interaction



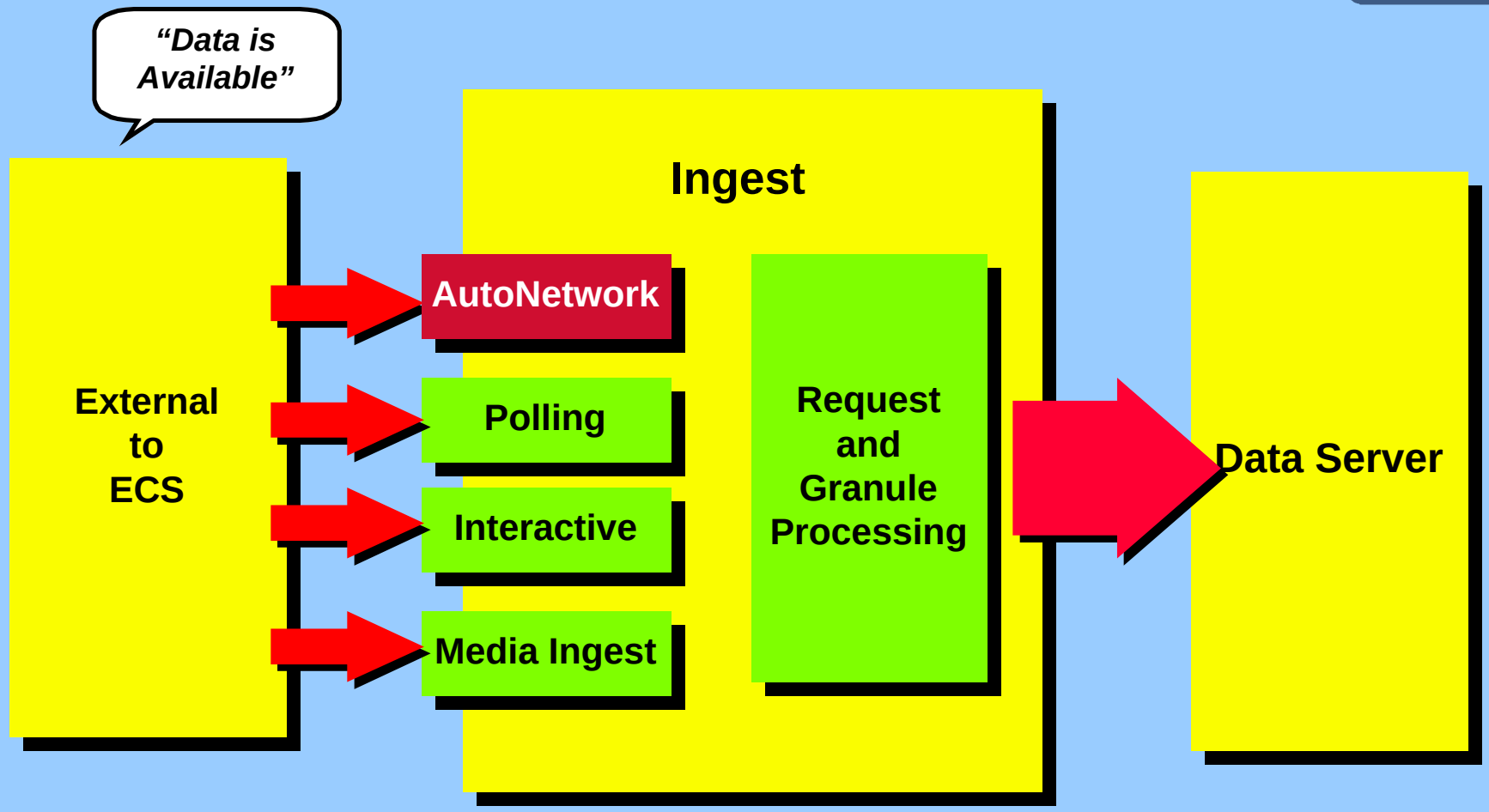
Ingest Types/Components

- **Four Types of Ingest**
  1. **Automated Network Ingest Client**
  2. **Polling Ingest Client**
  3. **Interactive Ingest (HTML)**
  4. **Media Ingest (GUI)**
- **Internal Processing Components**
  - **Request Manager**
  - **Granule Servers**
  - **Data Preprocessing**

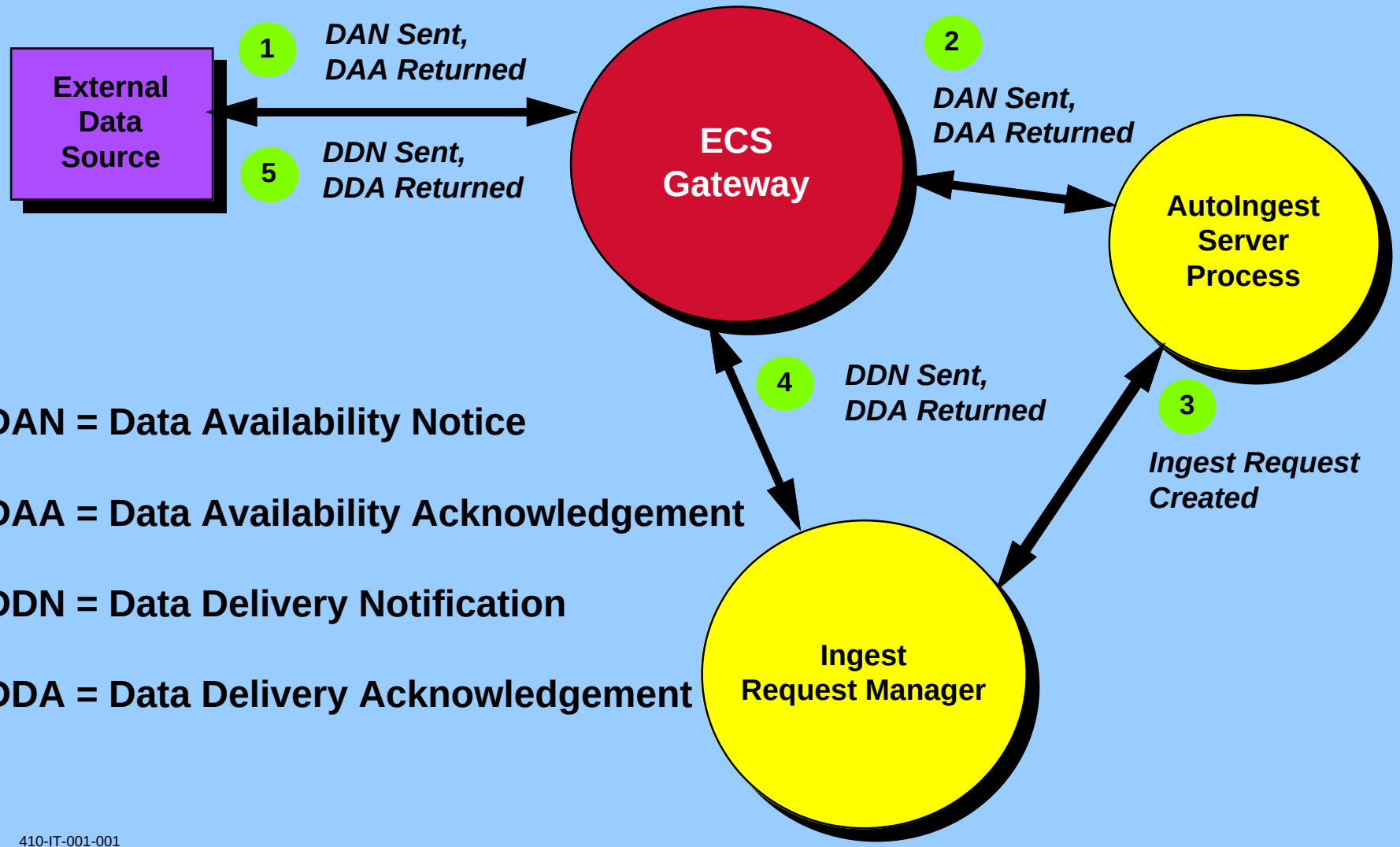
Ingest Components



Ingest Type: AutoNetwork



Automated Network Ingest



DAN = Data Availability Notice

DAA = Data Availability Acknowledgement

DDN = Data Delivery Notification

DDA = Data Delivery Acknowledgement

DAN Breakdown

- Product Delivery Record
  - Originating_System
  - Total_File_Count
  - File_Group
    - Data_Type
    - File_Spec
      - Directory_Id
      - File_Id
      - File_Type
      - File_Size