

2. SYSTEM FLOWS AND OPERATIONAL SPECIFICATIONS

DSS collects data from multiple inputs, performs numerous processing tasks and generates an array of outputs – many of which feed into other systems.

This section provides details describing all the DSS processing flows, including data processing specifics

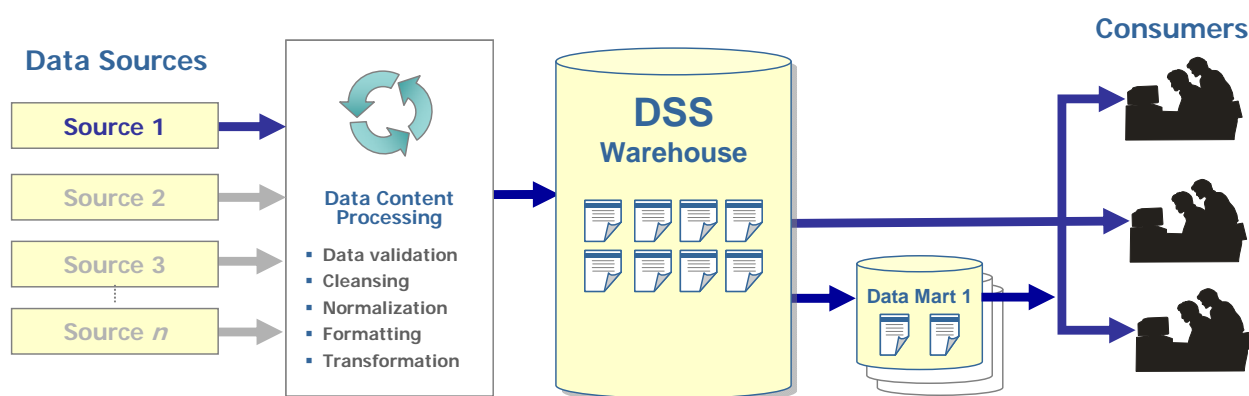
2.1. PROCESS FLOW OVERVIEW

See the **diagram** below, a generalized, overhead view of DSS.

From a process flow perspective, there are four primary stages to the DSS system:

- **Data source delivery** – Various sources, internal and external, deliver equity transaction-related data to DSS. This includes allocation records, execution records and reference data.
- **Content processing** – DSS validates and normalizes the incoming data.
- **Data storage** – Transformed data is stored in the DSS data warehouse as well as data marts.
- **Data delivery** – Data is delivered to consumers in several formats, including subscriber reports and raw data for applications processing.

DSS Process Flow – General Overview



DDS's incoming data sources include such internal systems as Brass, Flex, AEW and Tradecount, and vendor sources such as Bloomberg, ADP and OCC.

DSS processing of incoming data includes data validation testing, reformatting the data to conform to DSS standardization and transferring the data to the DSS warehouse. The