



***DARPA*Tech**

2002 Symposium

Transforming
Fantasy



John Poindexter

Director,
Information
Awareness Office

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DARPA's Initiative on Asymmetric Threat:

Total Information Awareness

Dr. John Poindexter

Director, Information Awareness Office

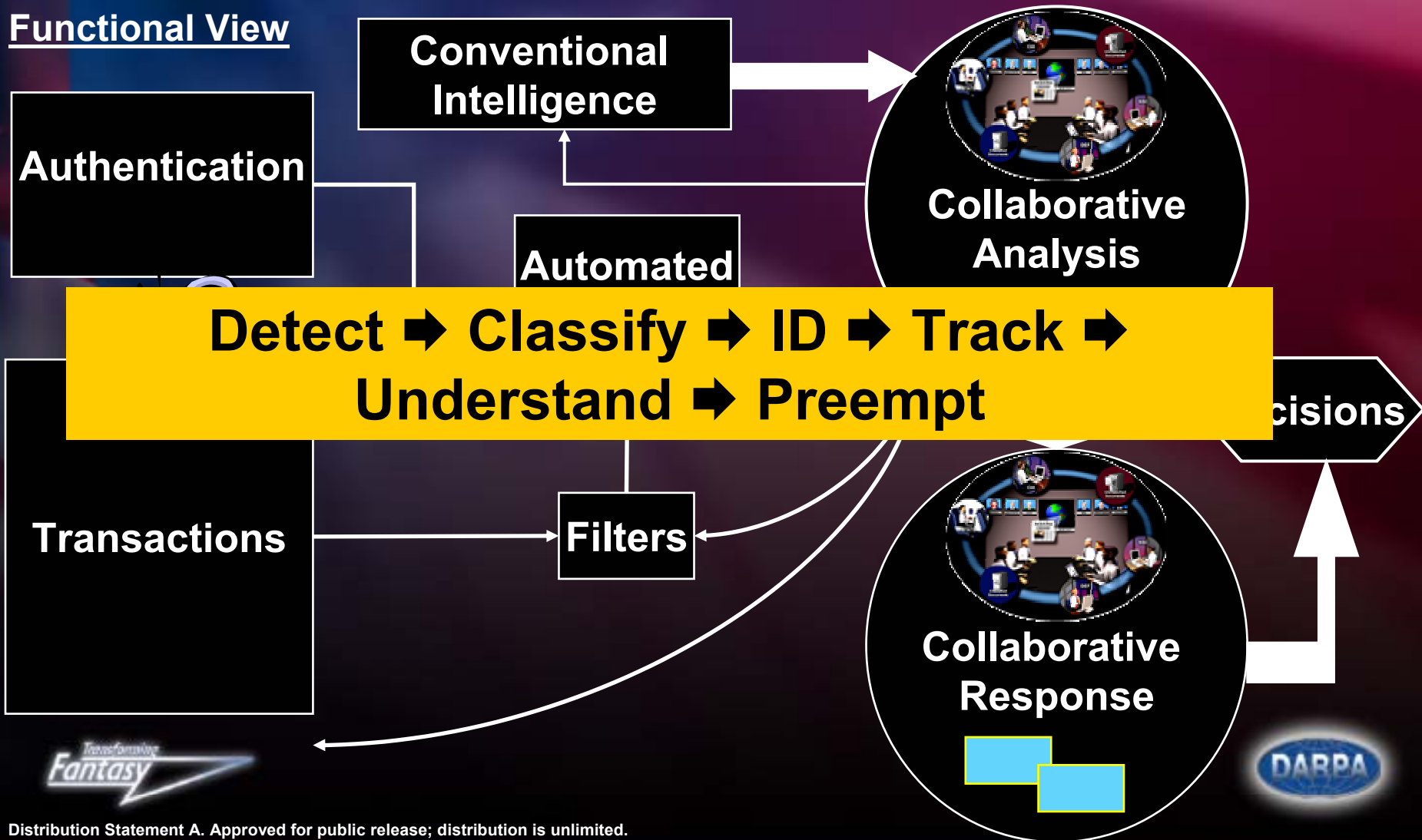
jpoindexter@darpa.mil 703-248-1533





Total Information Awareness System

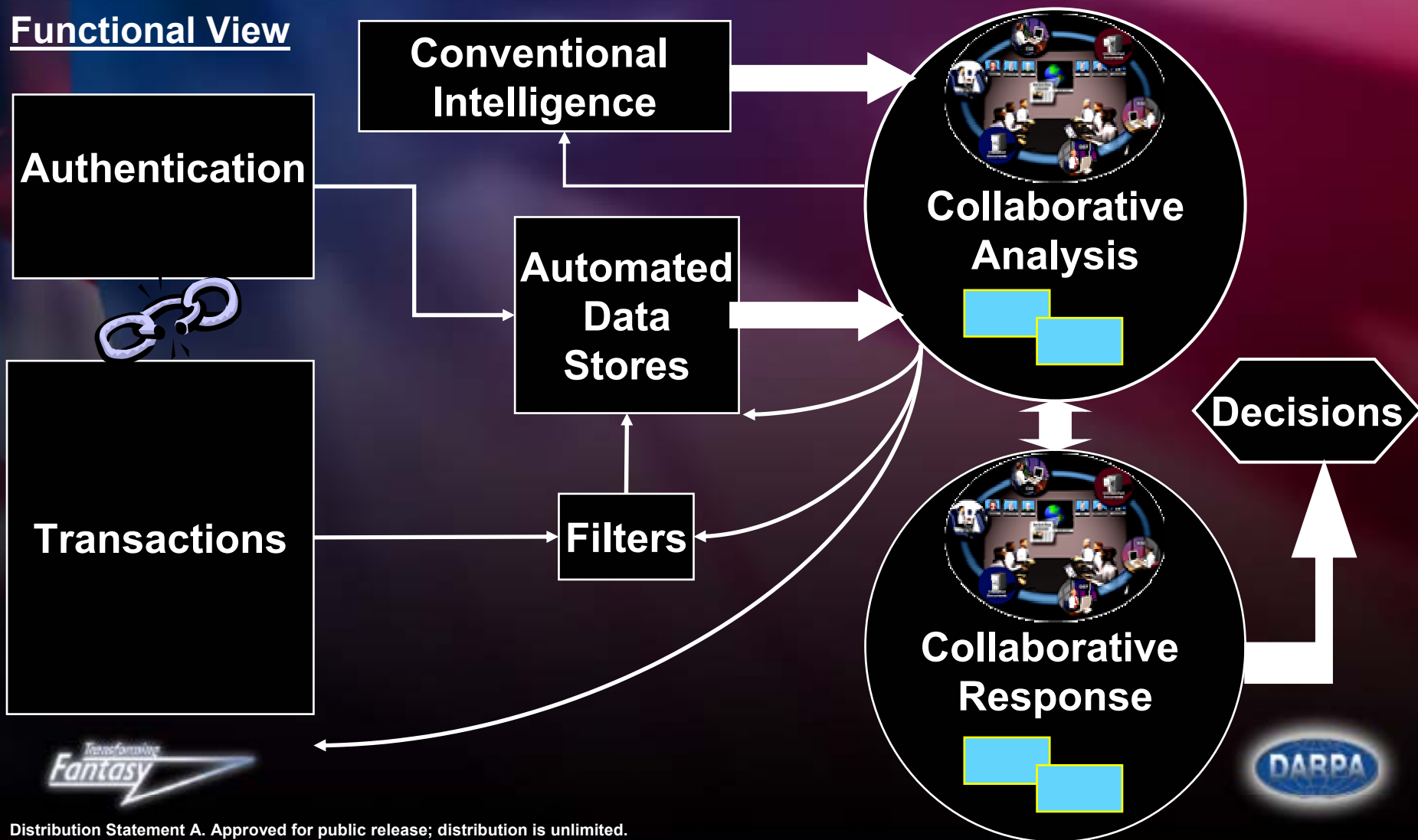
Functional View





Total Information Awareness System

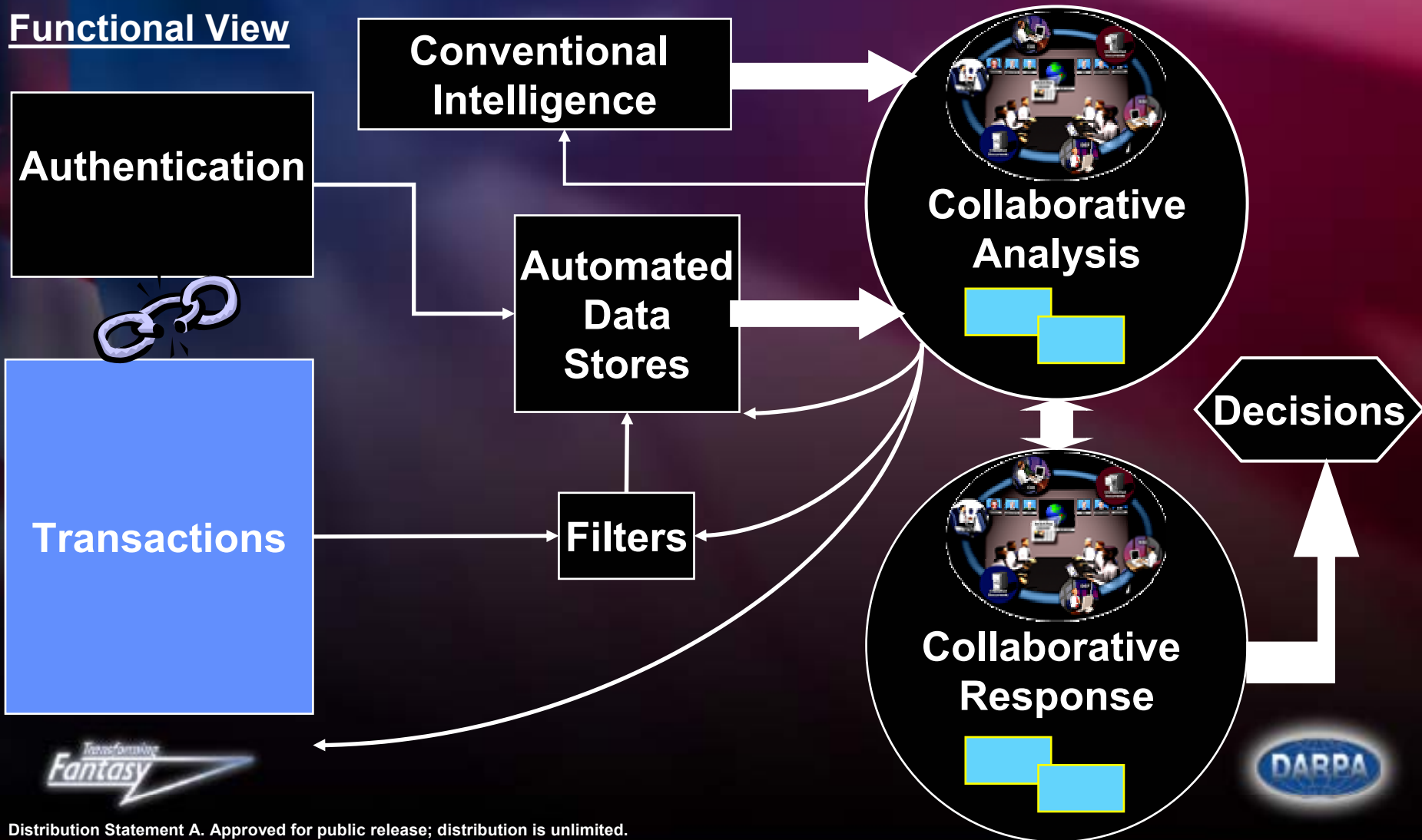
Functional View





Total Information Awareness System

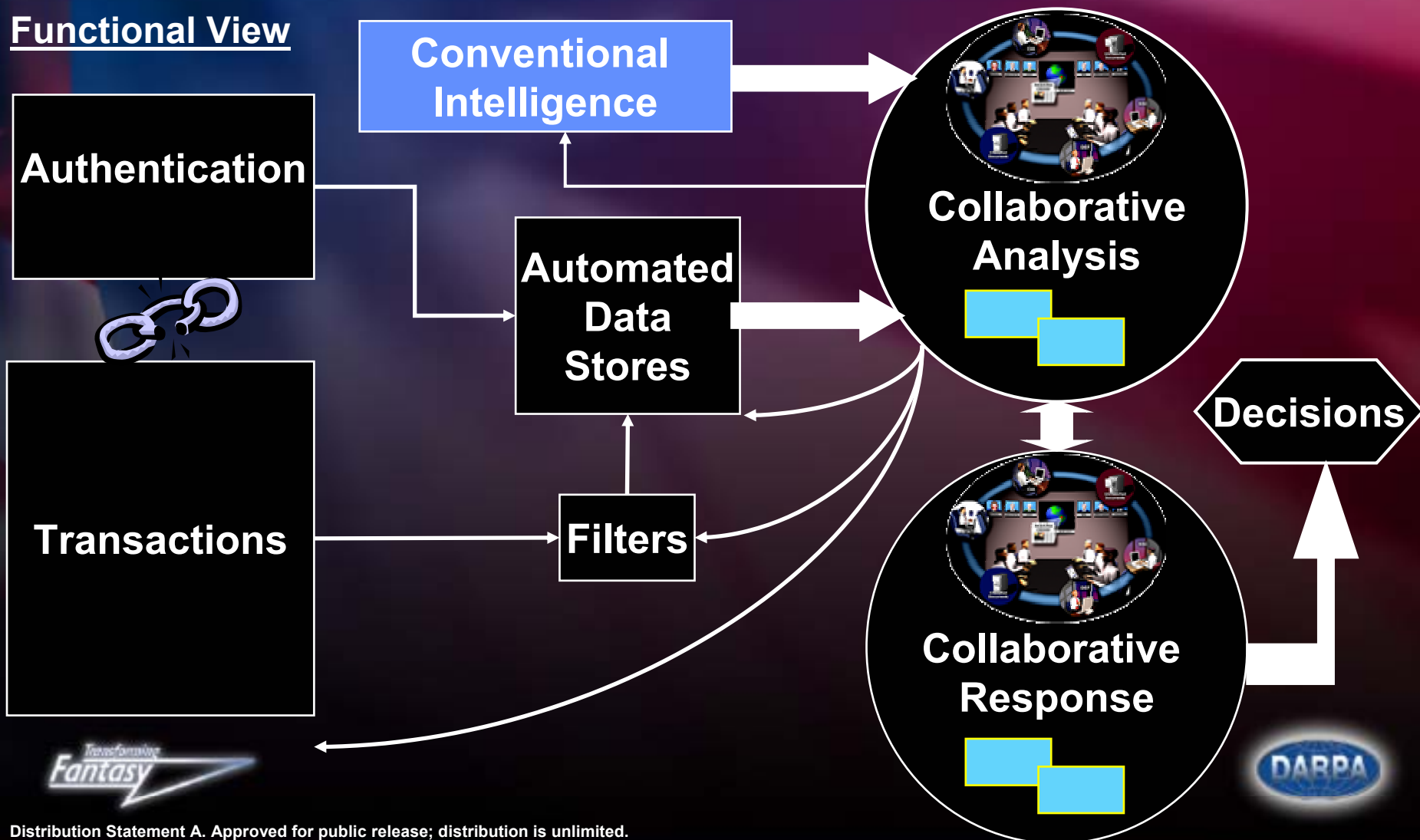
Functional View





Total Information Awareness System

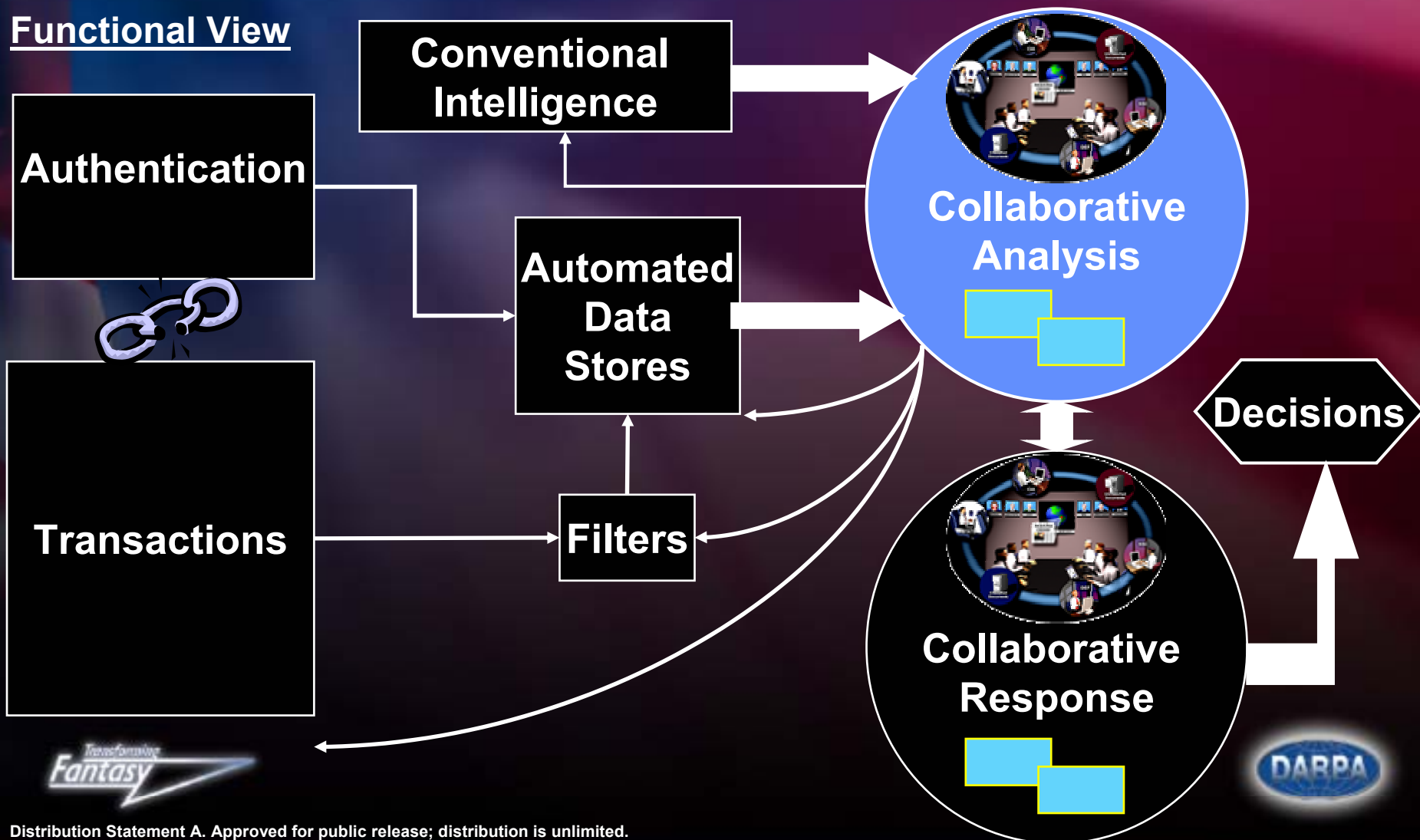
Functional View





Total Information Awareness System

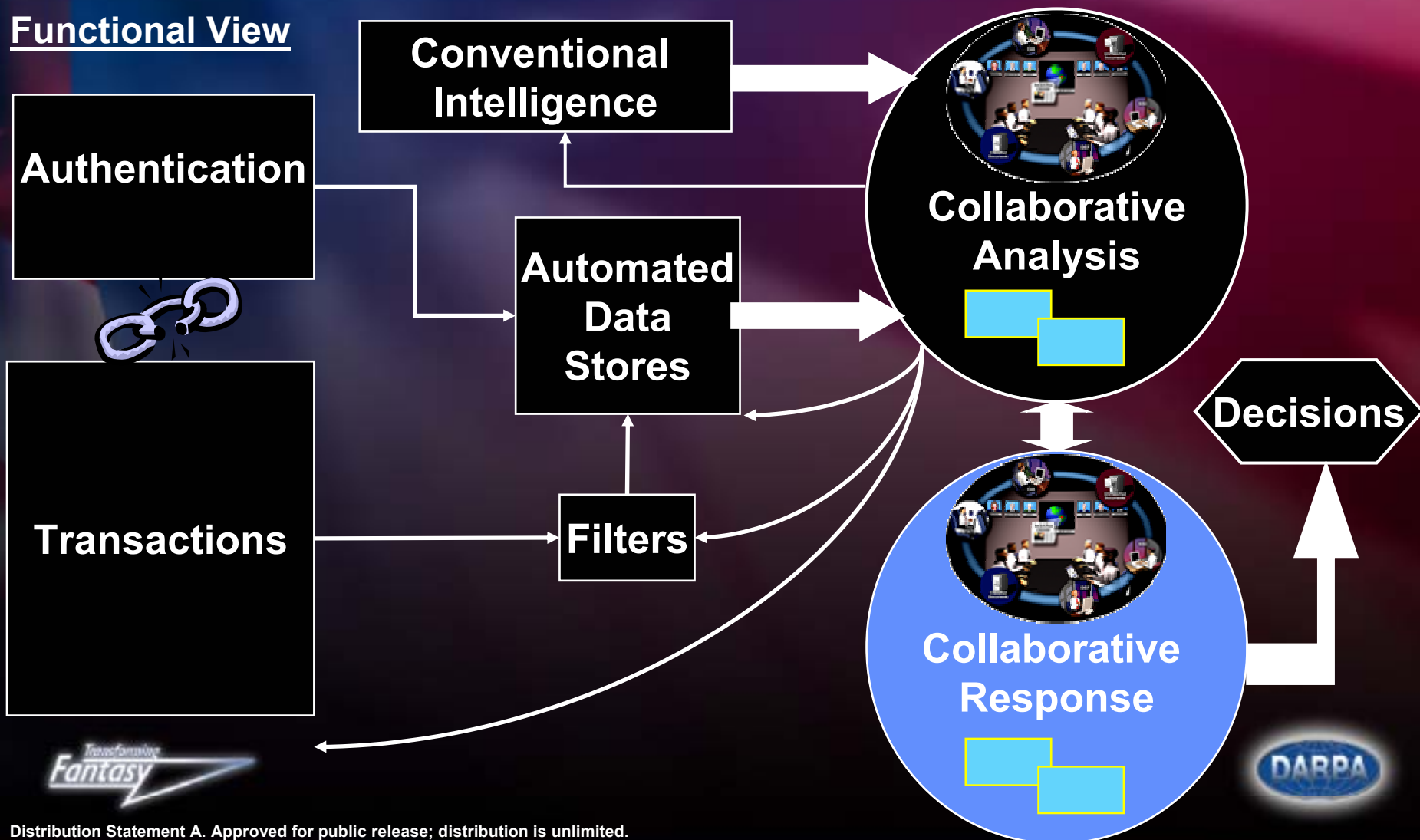
Functional View





Total Information Awareness System

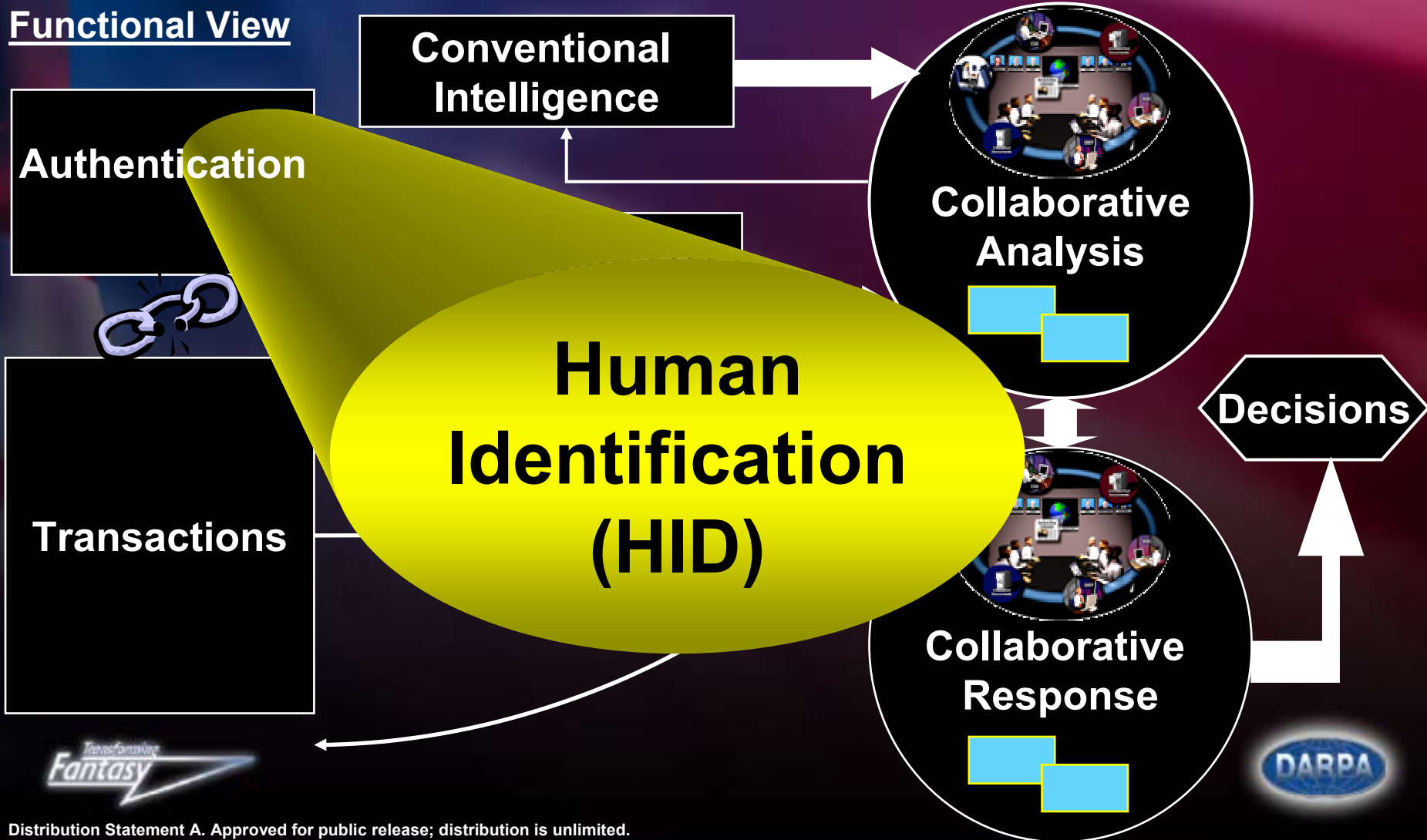
Functional View





Total Information Awareness System

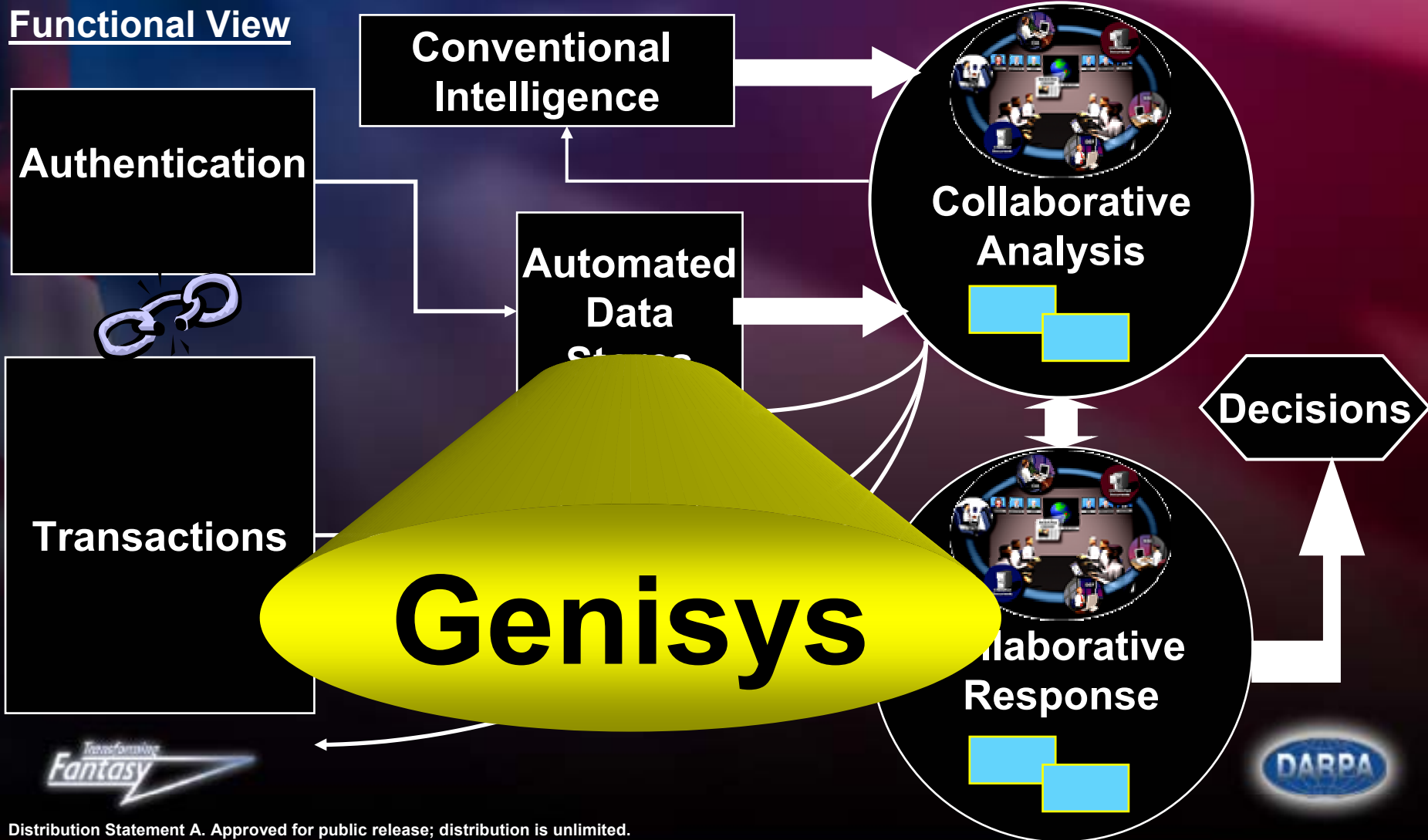
Functional View





Total Information Awareness System

Functional View





Total Information Awareness System

Functional View

**Conventional
Intelligence**

Authentication

TIDES:

**Translingual Information
Detection, Extraction and
Summarization**

EARS:

**Effective Affordable Reusable
Speech-To-Text**

Transacti

Decisions

**Cooperative
Response**

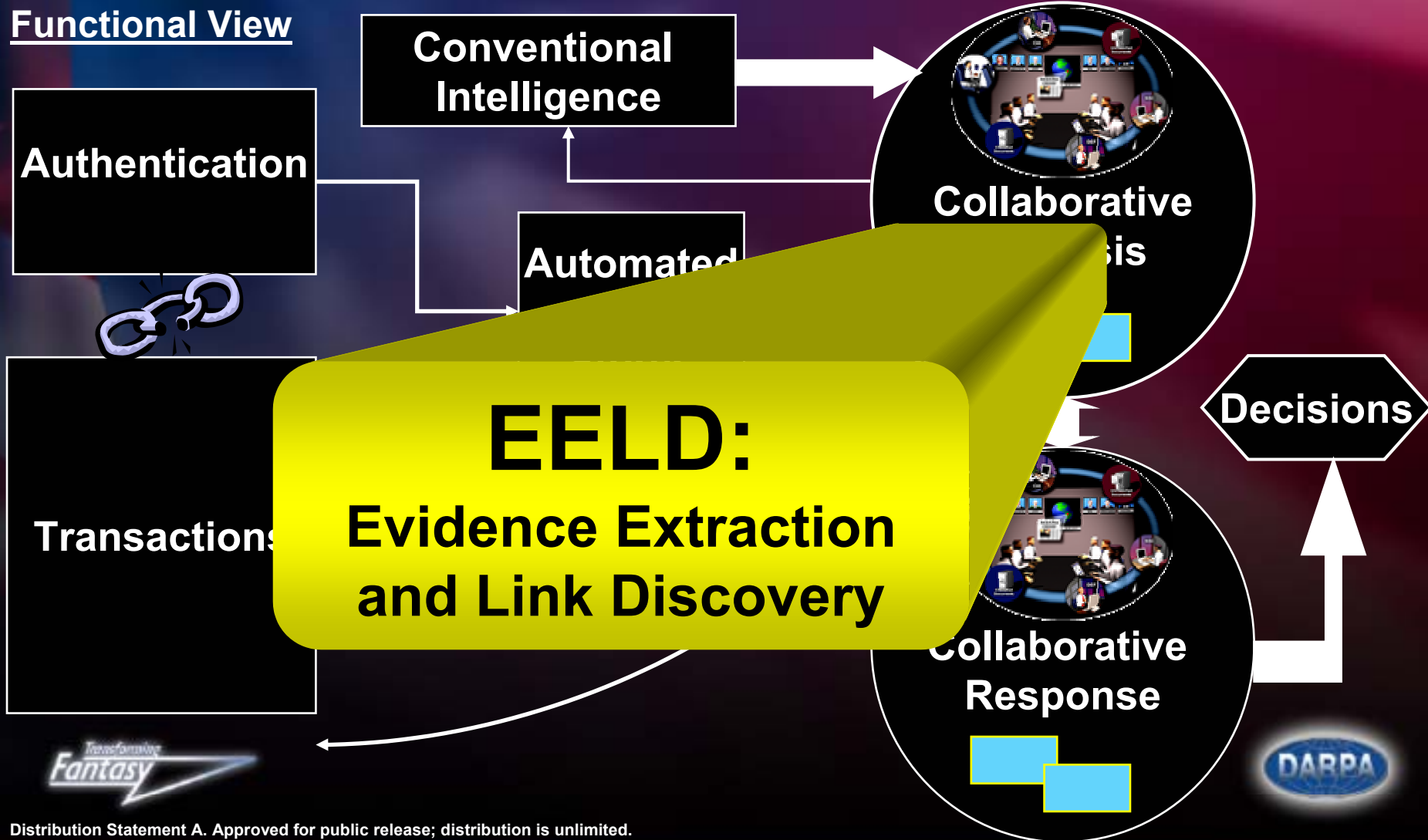
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Total Information Awareness System

Functional View





Total Information Awareness System

Functional View

Conventional
Intelligence

Authentication

WAE

Wargaming the Asymmetric Environment

Bio-Surveillance

Transactions

Filters

Collaborative
is

Collaborative
Response

Decisions

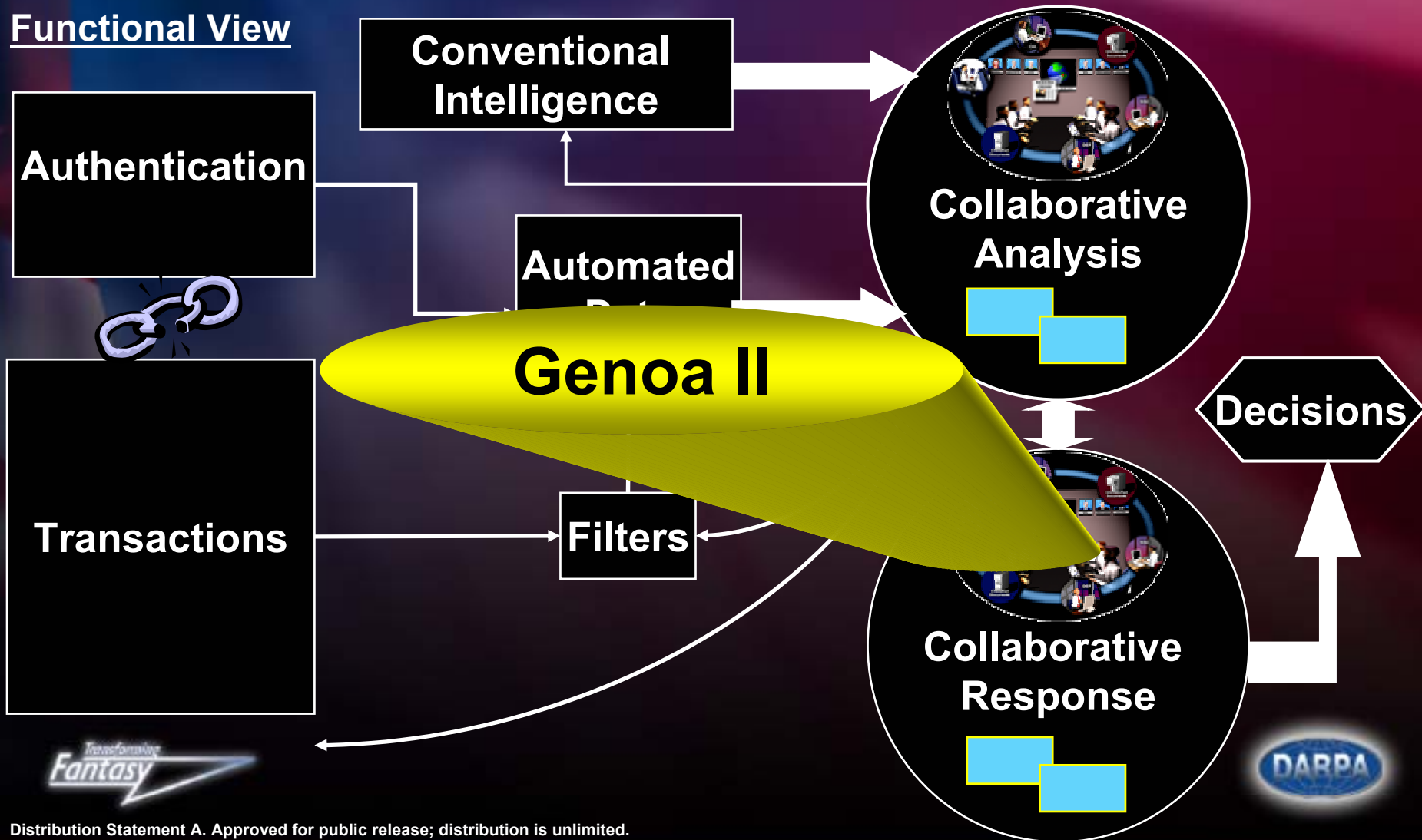
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Total Information Awareness System

Functional View





Total Information Awareness System

Functional View

Conventional
Intelligence

Authentication

TIA

Collaborative
Analysis

Transactions

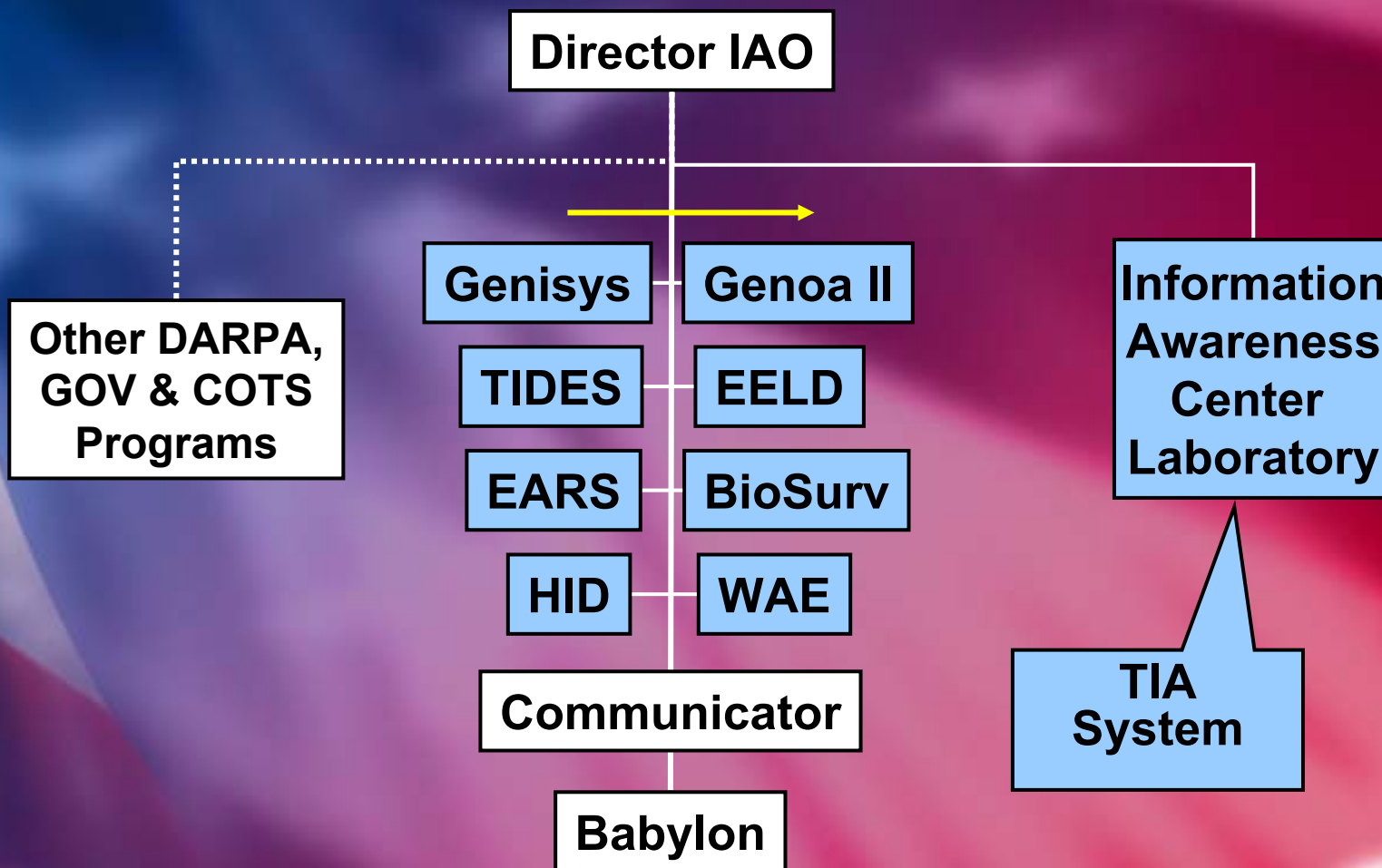
Collaborative
Response

Decisions

DARPA



IAO Organization...





Privacy

- ▶ **Taking several actions to address**
 - ISAT summer study
 - National Academy of Sciences
 - Investigating privacy protection technologies
 - Developing data base of synthetic transactions
 - New repository technology for the future





Summary

- ▶ **Issued a Broad Agency Announcement (BAA) in March.**
- ▶ **Now have an initial version of TIA in operation.**
- ▶ **Ultimate success requires a co-evolution of:**
 - Technology
 - Process/Operations
 - Policy
 - Culture





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