

FAS-CAT

Criticality Tools for Food and Agriculture

A Presentation for

2009 DHS University Network Summit

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FAS-CAT Background

- Systems based characteristics of food and agriculture make current asset based tools ineffective for identifying critical components
- Past IP Data Calls have resulted in little return within the food and agriculture sector for the states
- Systems based strategies are essential for criticality, vulnerability and consequence assessment
- A lexicon, focus and assessment basis change was needed
- NCFPD/FAZD/CREATE developed FAS-CAT prototype

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Objectives

- **Improve the overall process** for food and agriculture critical system, sub-system and component identification
- **Provide greater equity** in cross sector critical system identification for DHS
- **Enable the states to identify and document** critical food and agriculture system components
- **Provide a common methodology** to the process
- **Improve critical asset reporting** to DHS

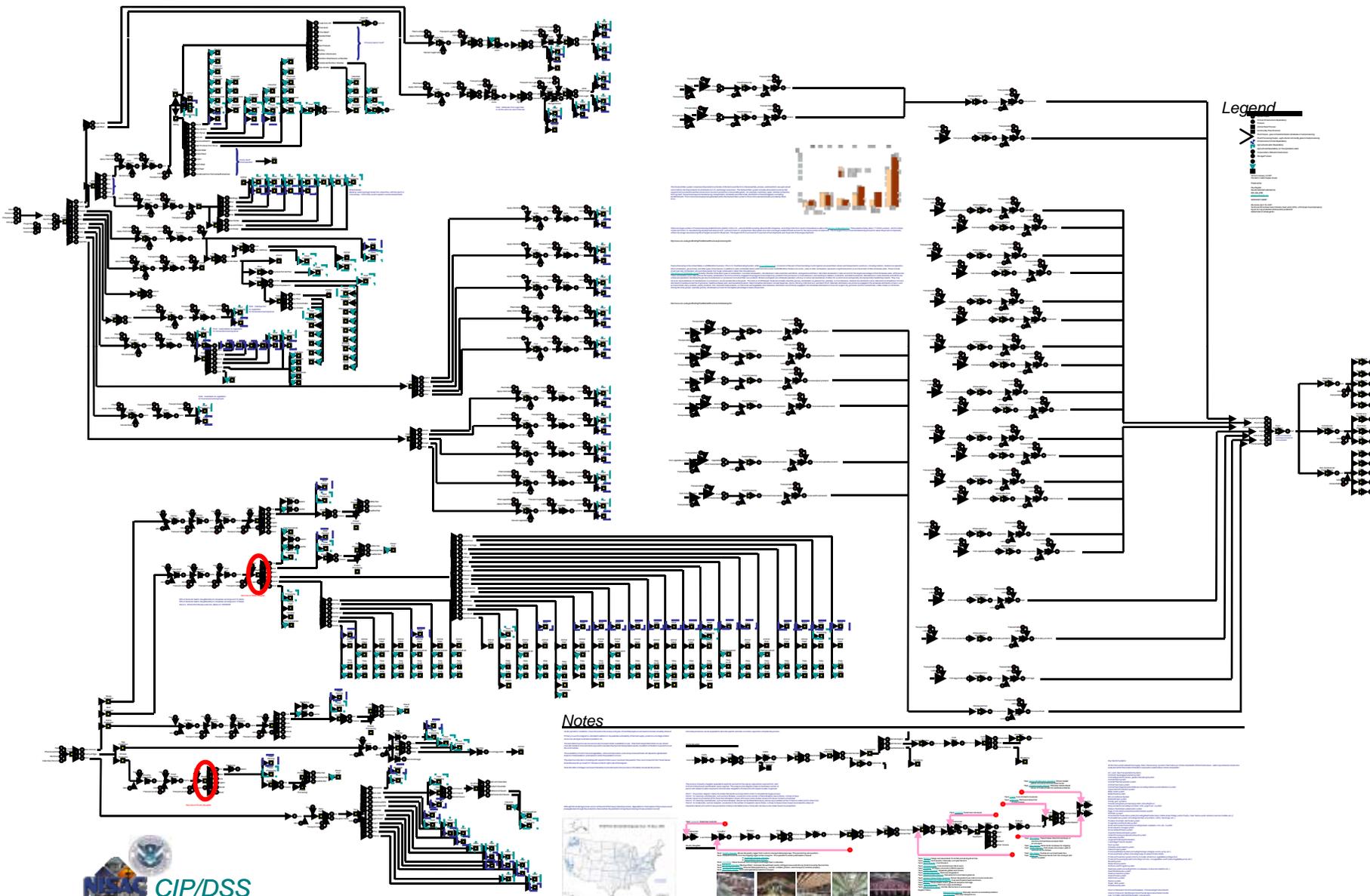
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Basic Tool Concept

- Provides Example System Flow Chart Templates
- Provide System Critical Component Worksheet
- Provide Criticality Summary Worksheet
- Developed Detailed Guidance document for the States
- Share tools with stakeholders
- Conduct prototype assessments
- Deployed for use for this year and future data calls

Food & Agriculture Commodity Flow System Labor Inputs Input/Process/Output Diagram

Production Inputs → Livestock & Crop Production → Food Processing → Food Distribution Wholesale → Food Service



Version 1.1e
Feb 9, 2009

SYSTEM COMPONENT CRITICALITY WORKSHEET

Food & Agriculture Sector - Criticality Assessment Tool (FAS-CAT 1.1)

Name of Organization:	California Emergency Management Agency	Cumulative Sub-System Score:	2	Save to Summary
Point of Contact:	Kathy McKeever	Sub-System Category:		
Telephone Number:	916-342-2936	Weighted Sub-System Score:		
Address:	State Capitol			
City:	Sacramento			
State:	California Emergency Management Agency	Ease of Attack or Prob. of Disaster:		Clear All Data AND Contact / Participants
Zip:	95814	Scale/Size of Component at Risk:		
Date Completed:	Tuesday, February 24, 2009	Critical Component:		Clear Data but Retain Contacts / Participants
		Recovery / Return to Normalcy:		
Sub-Sector or Organization Component:	Transportation	Concentration:		
Commodity / Product Chain:	Beef	Area:		
Sub-System / Component at Risk:	Sale Barns			

Describe the assumptions or specific scenarios used in completing this evaluation

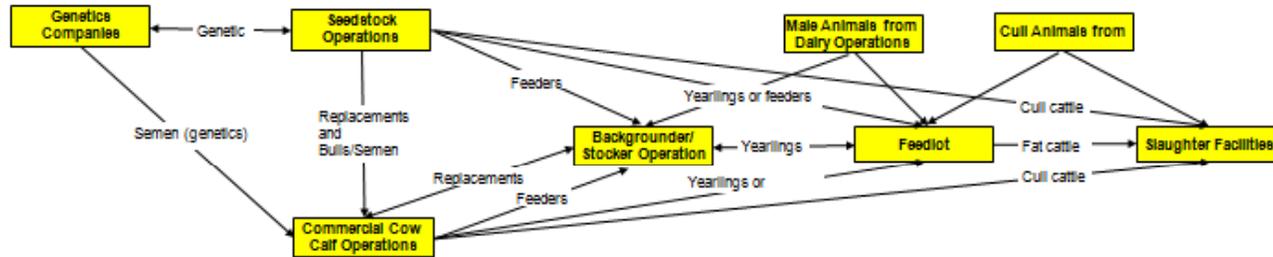
There is not a one to one relationship between the entries in each column below

It is highly recommended to have the highlighted participants (Agriculture, Public Health, Homeland Security and Industry) as a minimum participation group for adequate completion of this worksheet

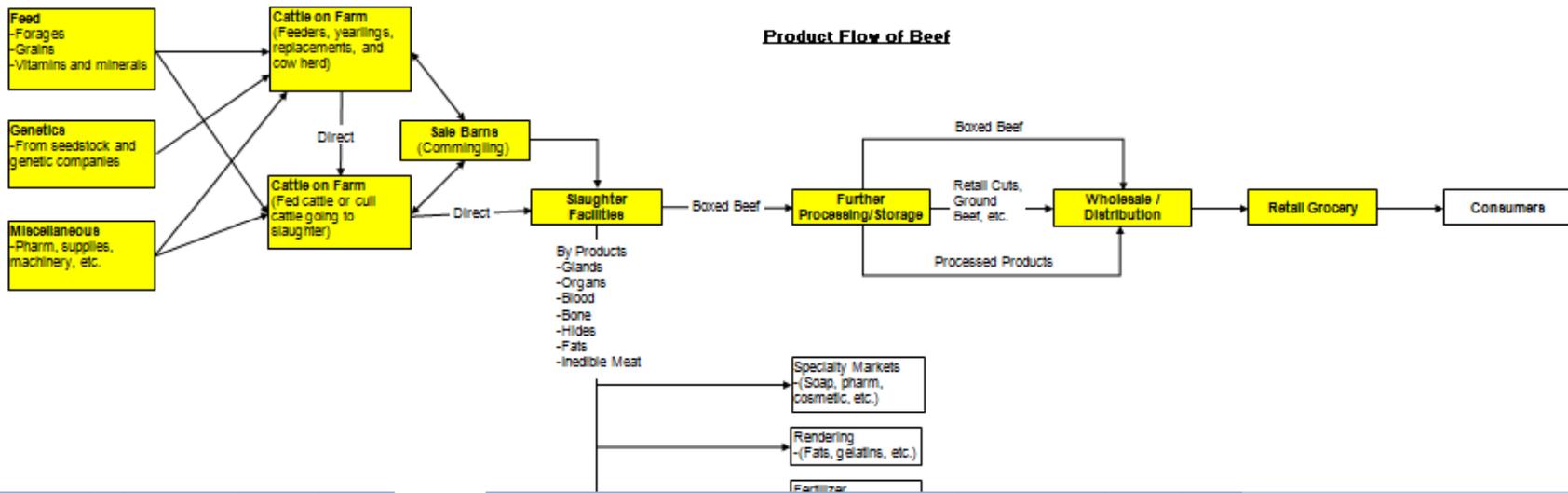
Please include all possible consequences, effects and impacts for all of the threats considered

Potential Threats	Potential Direct Consequences	Effects of Attack or Disaster	2nd - 3rd order Impacts	Affiliation	Participant Type	Participant Name	Participant Organization
					Agriculture	Richard Breitmeyer	California Department of Food and
					Public Health		
					Homeland Security		
					Industry		
FAD							
Toxin							
Adulteration							
Destruction							
Theft							
Labor Accur							
Pathogen Contamination							
Process Disruption							

Major Animal Movements Within the Beef Industry



Product Flow of Beef



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FAS-CAT Deployment Status

- IICD/OIP/SSA's/NCFPD working together on deployment for 2009 IP Data Call
- Initially three funded states for facilitated assessments
 - California, New York, Minnesota
- NCAFDO and SAADRA are leads for regional assessments
- Canadian Food Inspection Agency also looking to pilot
- Weekly webinar's on <http://www.foodshield.org> to support additional states



Defending the **safety** of the **food system** through **research** and **education**

*You can access the **FAS-CAT** Tool, guidance document and a tutorial at:*

<http://www.foodshield.org>

<http://www.ncfpd.umn.edu>

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