



Substance Volume Tracking (SVT) Challenges



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Substance Volume Tracking (SVT) Agenda

- Necessary Capabilities
- SVT Challenges - Categories
 - Data
 - Solution(s)
 - Regulation Interpretation
 - Relationships
- Basis for Operational Compliance

SVT Necessary Capabilities

Business Area	Business Capabilities	DPC State	Functional Focus	Internal Integration	External Integration	Full Network Connectivity
Substance Registration	Dossier Mgmt.					
	CSA/CSR					
	LE Mgmt					
	SIEF Collaboration					
	Reg. Project Mgmt.					
Substance & Material Mgmt.	Compositions (BOM/BOS)		SVT			
	Internal Use & Exposure					
Supply Chain Mgmt.	External Use & Exposure					
	Supplier Communication					
	Customer Communication					
	Supplier Compliance					
Ongoing Compliance Provability	Volume Tracking		SVT online			
	Volume Forecasting		SVT			
	Information Preservation		SVT offline reporting			
	Compliance Verification					
	Authorizations and Restrictions					
	Classification and Labeling					
	Extended SDS					
European Operations	Management of Change		SVT	Substance change in BOS		
	Worker Safety & Exposure					
	Intermediates Reporting					
	Corrective & Preventive Action		SVT	Basis for regcheck		
	Local Compliance Validation		SVT	Volume per plant		

SVT Challenges - Categories

Data

- Accuracy
- Availability
- Maintainability
- Security
- Organizational Roles
- Diverse
- Shared Substances

Solution(s)

- Many business models
- Lack of 'proven' solutions
- Use of tools
- Lack of knowledgeable resource
- Landscape

Regulation Interpretation

- Different interpretations
- Solution(s) built based on interpretation
- Scope control

Relationships

- Internal
 - Cross Business Unit
 - Operations, Business Regulatory, Corporate Regulatory, Sourcing, ...
 - Single project faceoff?
- External
 - Supplier
 - Customer

SVT Challenges - Data

- **Accuracy**

- How good is the data?
- How do you measure data quality?

- **Availability**

- Many sources

- **Maintainability**

- Sustainment Organization – who is responsible, when to review, how to apply changes, . . .

- **Security**

- Access to information in large corporation

- **Organizational Roles**

- Corporate Regulatory, Business Regulatory, Operations, Sourcing, ...

- **Diverse**

- Large corporation manages data at different levels based on the business models (supporting supply chain solutions) – materials or substances

- **Shared Substances**

- Determining owner and access

SVT Challenges – Solution(s)

- ***Many business models drive***
 - Different use of corporate solution
 - Multiple departmental solutions
- ***Lack of 'proven' solution(s)***
 - Limited existing client base
- ***Use of tools***
 - e.g., 'REACH Rule' to help with generation of legal compositions
- ***Lack of knowledgeable resource availability***
 - Competing with parallel, equally-important activities
- ***Landscape***
 - Complex landscape adversely impacts 'standard' solution

SVT Challenges – Regulation Interpretation

- ***Different interpretations by multiple groups***
 - Corporate Regulatory, Business Regulatory, Operations, Sourcing, ...
- ***Solution(s) built***
 - Based on interpretation at the time
- ***Scope control***
 - When requirements are not fully defined/understood

SVT Challenges – Relationships

- ***Internal***

- Cross Business Unit
- Operations, Business Regulatory, Corporate Regulatory, Sourcing, ...
- Single project faceoff?

- ***External***

- Supplier
- Customer
- Only Representative

SVT Basis for Operational Compliance

A successful Link for SVT between REACH and ERP Systems is the Basis to Operational Compliance

- BOM-BOS Translation
 - ERP: BOM used e.g. in production process
 - REACH: BOS with substances assigned to materials in BOM to have regulatory view on e.g., product portfolio and guide R&D in avoiding / substituting SVHCs
- Offline and online substance volume monitoring
 - ERP: Postings from logistic process based on products
 - REACH: Translate and consolidate product volumes into substance volumes



Thank You



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