

Pratt & Whitney Canada

Une société de United Technologies / A United Technologies Company

Member Presentation

2018-04-12

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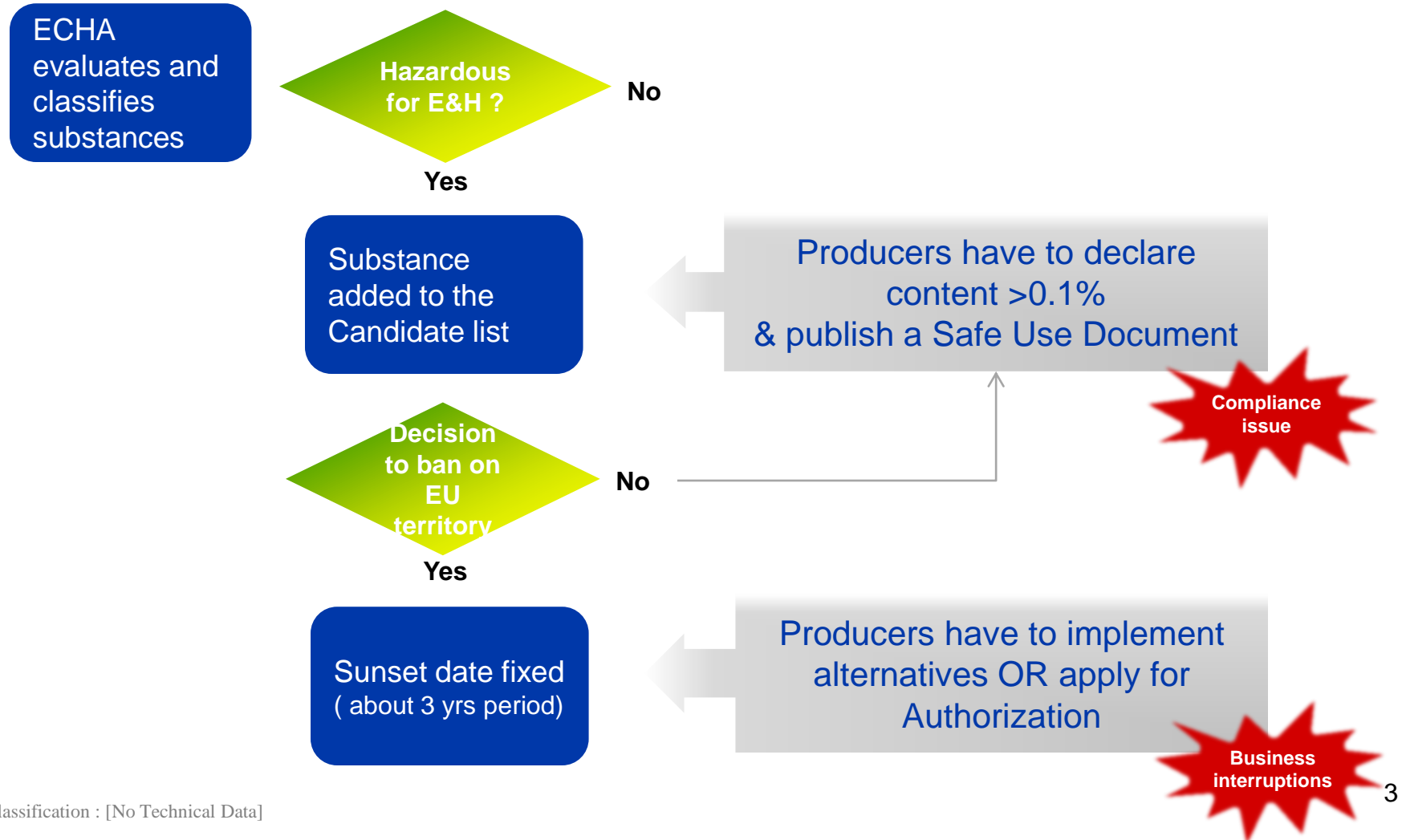
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IMPACTS AT P&WC



REACH : Registration, Evaluation, Authorization and Restriction of Chemicals





5 steps Strategy:

What's needed ?

1- Exposure Assessment

P&WC designed parts → SVHC per drawing specs, Rollup tool per SVHC in Enovia

Supplier's designed parts → Material Declaration Survey (recurrent process)

Manufacturing processes → Chemical Database, Tier 2 supplier's declaration, HAAS integrator

Authorized repairs → Standard practice Manual (SPM), Canadian Material List (CML)

Tooling → Material Declaration from Tool Design (design authority)

2- Develop Green Alternatives

3- Engineering Changes (including Tech Pubs)

→ List of parts that contain SVHC per Supplier/location, per program, per base metal

→ Level of activity on these parts (production, spare parts, Service Bulletin)

4- Industrialization

5- Compliance and Authorization

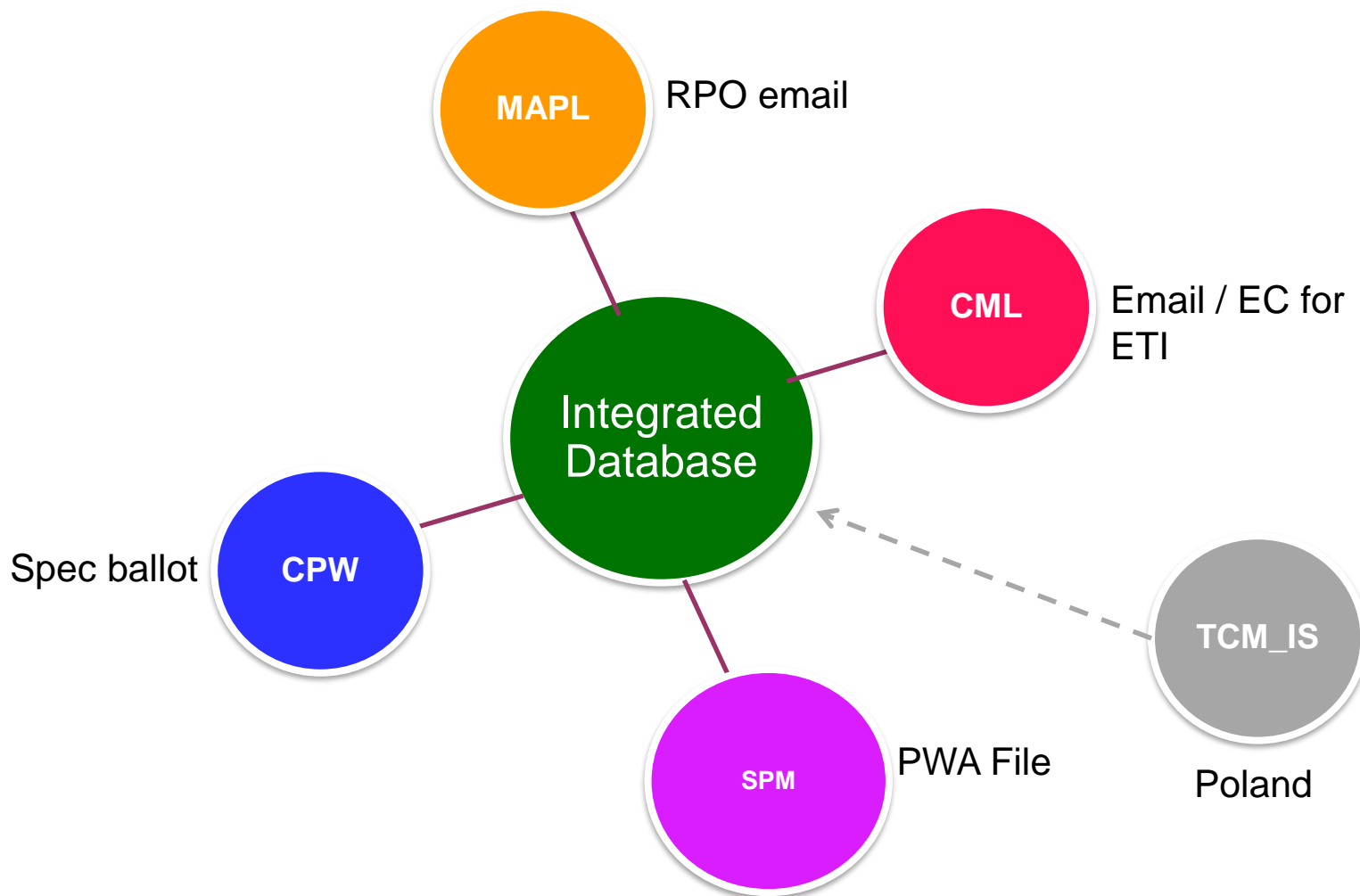
art. 33 (Safe Use Information) → Substance Declaration Form

Authorization management → Report/Dashboard : Banned substances uses / supplier location

Internal and external audit program and reporting → substances threshold reporting (art.7)

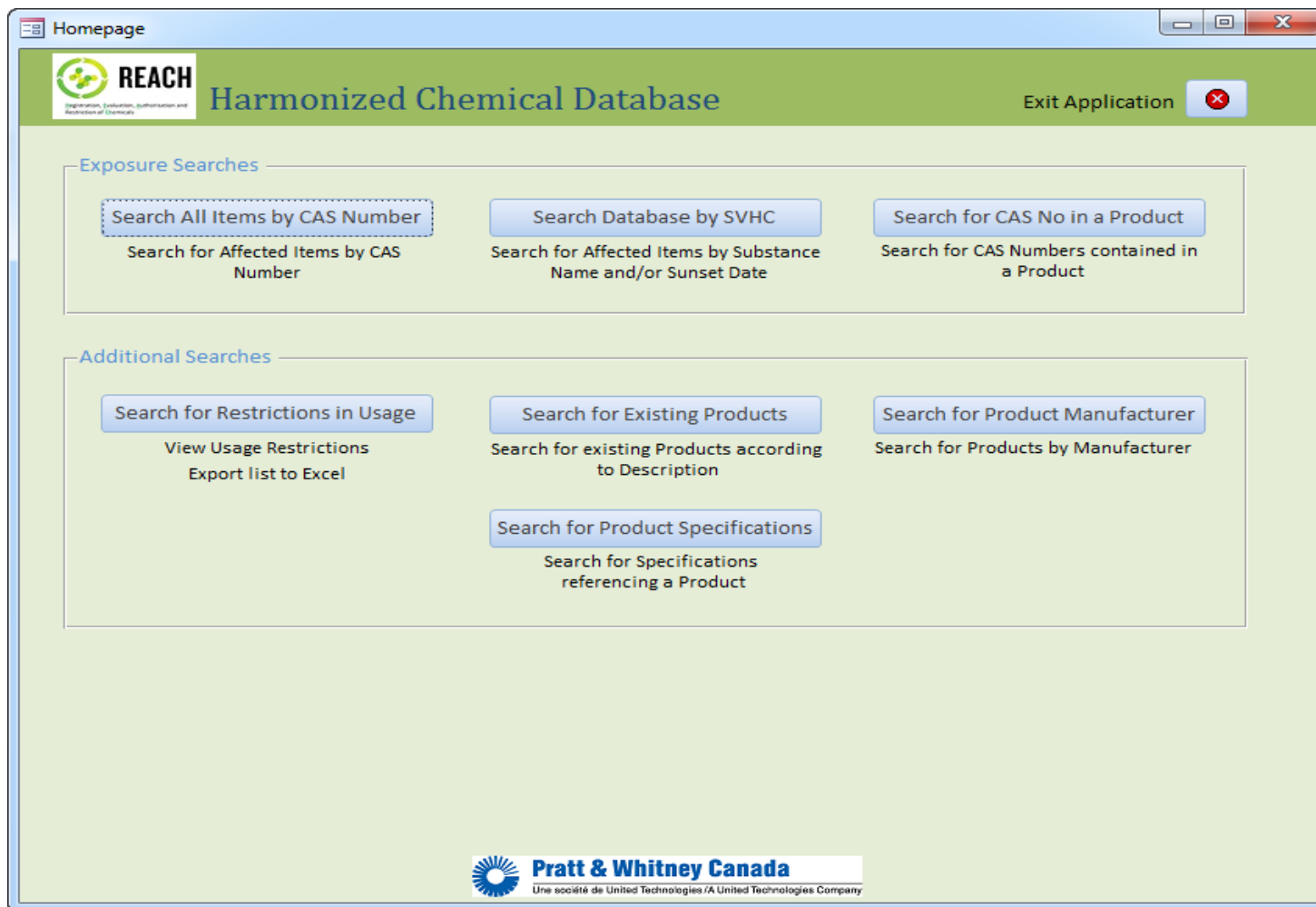
MS ACCESS: GLOBAL HARMONIZED CHEMICAL DB

Data sources & Maintenance



MS ACCESS: GLOBAL HARMONIZED CHEMICAL DB

User Interface



AS-IS SYSTEM

High level gaps of the current IT platforms available

GRANTA-Material Intelligence

- Project to transfer the Eng. test data DB and the Material Properties DB on the GRANTA platform (go-live planned for 04/2018)
- No Plan to use the Product Risk DB in the current project (List of regulations)

ENOVIA-PLM

- Specifications have been linked to a MOC object (Matl of Concern) manually by Material Engineering
- MOC Rollup Report to identify all parts impacted by the use of an MOC per CPW625.
- MOC initial declaration from Cat 1 supplier
- MOC are not CAS#, no SVHC weight Calculation

Supplier Portal

- Web based platform used by Tier1 suppliers to update information as of their promise date to ship.
- Custom Portal supported by PWC-IT group.
- No interface with another IT System but SAP-ECC.

SAP-ERP

- All shipping done thru SAP using a Material Master (Parts, consumables, tooling)
- Canadian & Poland manuf. sites, most of the MRO Sites and distribution centers use SAP
- No information about the SVHC content are available in the Material Master.

PWC IT DEVELOPMENT OVERVIEW

