



UN CEFAC Transport & Logistics Domain

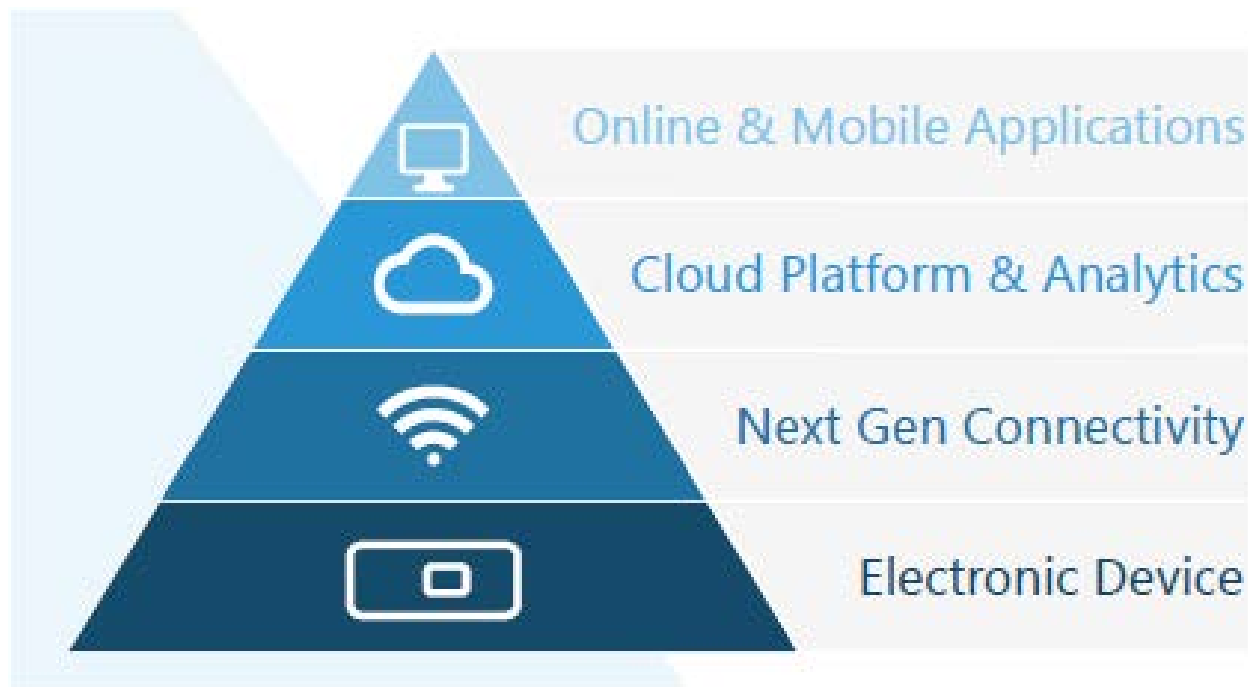
Smart Container Project

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UNECE - UN/CEFACT
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Smart containers

Complete door-to-door near real time assets tracking and monitoring solution to support supply chain digitalization and enhanced decision-making by the various sectoral stakeholders.



Smart Containers Data

Assets with added electronics

A Smart Container knows a lot!

- Position
- Door Open/Close status
- Temperature
- Movement
- Impact
- + extensions
- Communicate near real-time from (nearly) anywhere economically

Standards to ensure interoperability

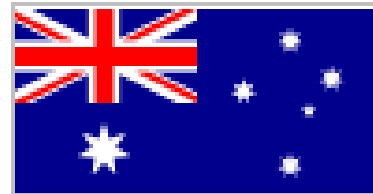
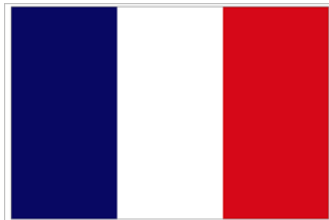


Project Approval in UN CEFACT

3 October 2017: UN/CEFACT is pleased to announce the launch of a project on [Smart Containers](#). This project will look at the business processes and potential data to be exchanged between smart containers and the rest of the supply chain actors, notably in view of expediting border clearance. If you are interest in joining this project, please contact the project lead, [Hanane Becha](#).

Share a common understanding, define the exchanged data elements and message structure

HOD SUPPORT



UN/CEFACT Transport & Logistics Domain Smart Container Project Deliverables

- White paper
 - Business Requirements Specification (BRS)
 - Requirements Message Specification (RSM)
 - Standardized message structure based on the MMT Reference Data Model
- => Today 18 use cases are identified...

1. ETA Updates
2. Compliance
3. Actual Executed Transit Time
4. Schedule Deviation Alert
5. Unexpected Door Opening Detection
6. Unexpected Temperature change for Temperature Sensitive Cargo
7. Unexpected Humidity Change for Sensitive Cargo
8. Missing containers from onboard of vessels
9. Short-shipped: Forgotten containers



10. Overlanded: discharged in the wrong port
11. Fragile Cargo / Breakable Artefacts
12. Dry Container Temperature Monitoring
13. Empty gate-in at Depot
14. Depot reconciliation
15. Trip Tracking for merchant haulage container
16. Fast lanes for cross-border agencies
17. Container daily status message for Fleet Management & Usage KPIs



Thank you

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