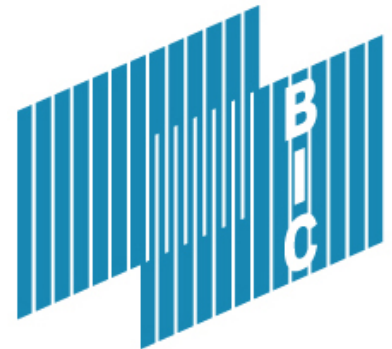


Bureau International des Containers

**Facility Code Harmonization Project
UNCEFACT 35th Virtual Forum**

- Non-profit NGO, founded in 1933 under auspices of the ICC
- 2100+ members in over 120 countries
- Promoting safety, security, standardization, and efficiency
- Official NGO Observer status at IMO and WCO, ECOSOC
- Active at ISO, CEN and UNECE
- Based in Paris

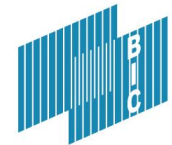


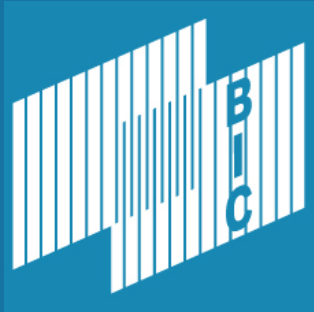
BIC Digitization Offering

BIC Code Register
(Unique Prefix for Containers)

Global Container Database
(Technical Container Details)

BIC Facility Code
(Coded Container Facilities)



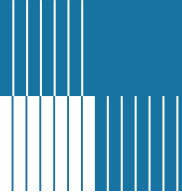


BIC Facility Code

BIC Facility Code: Background

- BIC first nominated as official register in ISO 9897
- BIC facility code becomes UNLocode child code in 2020
- Historically, has been general adherence to 9-character format in industry
- But poor record of registration, avoidance of duplicates, proper adherence to standard
- BIC-CISCo project in ScanMed corridor revealed 1500+ codes for 350 facilities

“ITGOAVTRA”



Coded Locations - Importance

UN/LOCODE

BIC Facility Codes

SMDG Terminal Codes

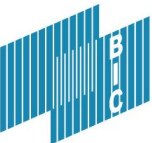
Inland Container
Facilities

Container Repair
Depots

Rail Facilities

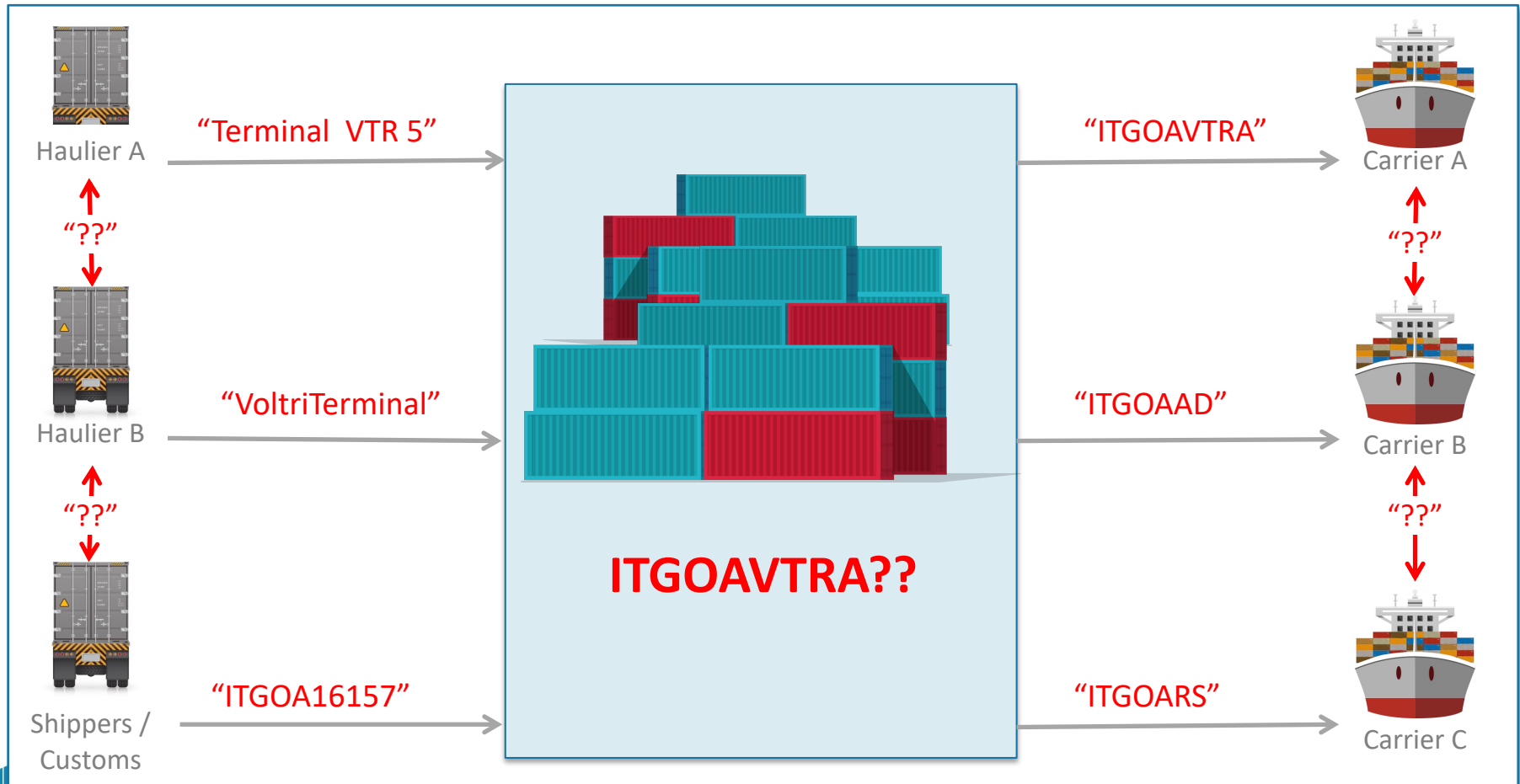
Sea Port Terminal
Facilities

BIC and SMDG provide complimentary coded locations for container facilities and terminals, both are recognised as child codes of the UNLOCODE under UNCEFACT. These unique codes can be used in existing and future messages throughout a supply chain across multiple parties.



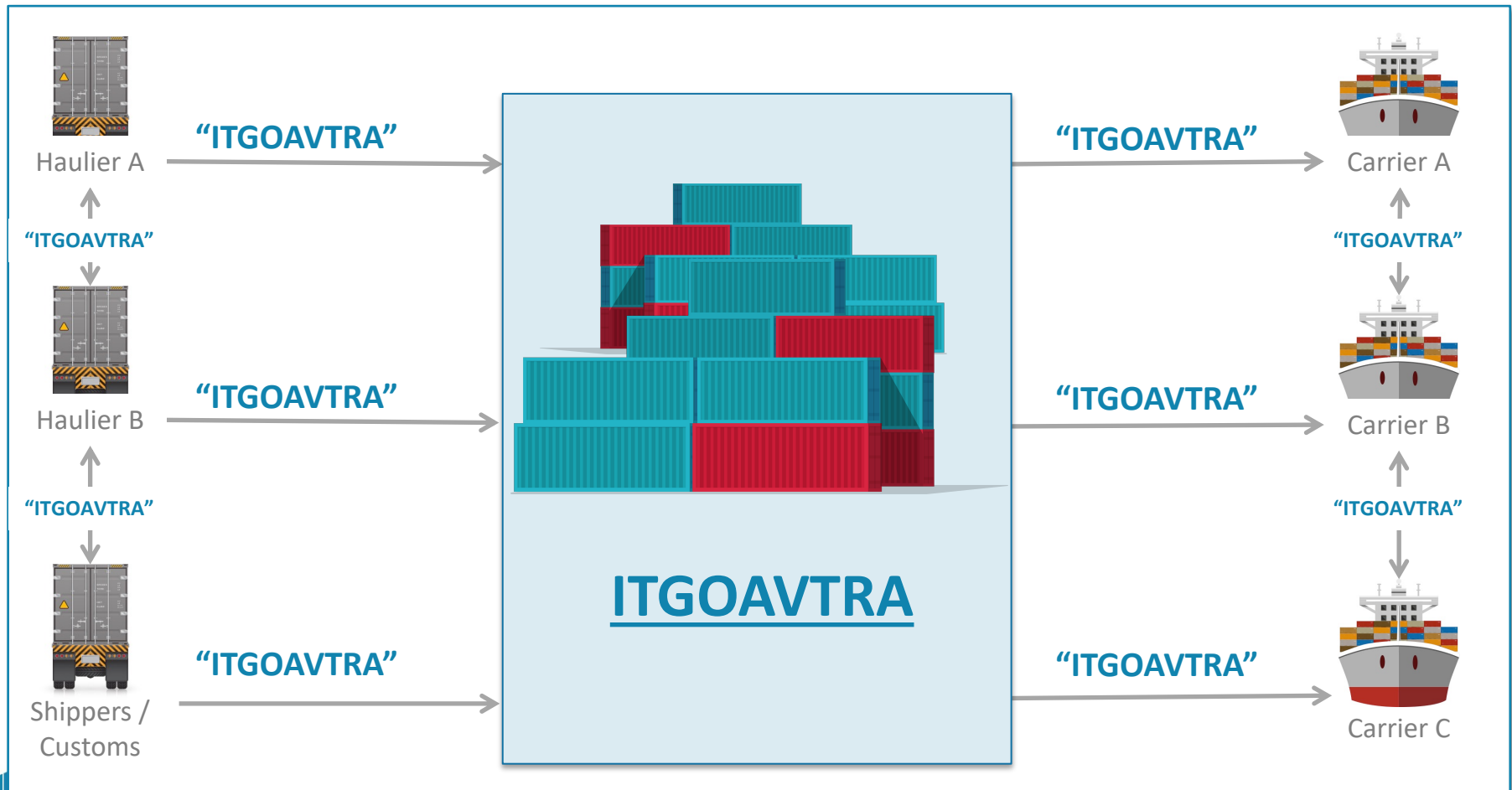
No common language = Inefficiency

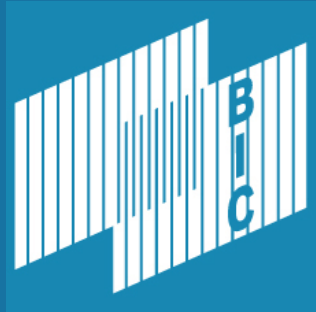
With no common language inefficiencies prevail, including wasted time, data re-entry, systems programming, depot changes and new depots, e-mail and phone calls, uncertainty and more. This system (or lack thereof) is also not future-ready!



Ultimate Goal: 1 facility, 1 code

With a common Location Code Database (BIC's LoCode Database) the same code will be used by all parties, saving everyone time and providing certainty that allows for future growth opportunities.



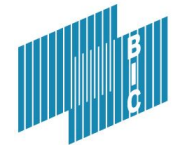


BIC Facility Code – Harmonization Project



Objectives of Project

- ☒ Provide the Facility Codes via an API (currently BETA)
- ☒ Clean existing BIC Facility Code dataset and enhance with GPS and structured address
- ☒ Offer Container Facilitation Harmonisation service to Carriers to facilitate adoption of API
- ☐ Use Machine Learning to record set match and deduplicate datasets
- ☐ Move API into Production (Live)





Overview of Participation from Industry

Data Input

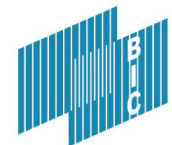
Combined total of 27,241 Container Facilities were provided by 7 carriers and 2 lessors (more to come)

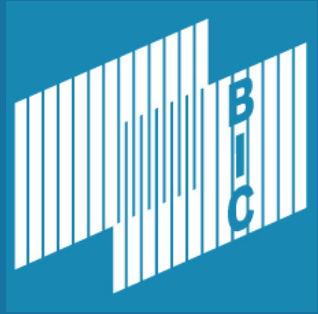
Initial Findings

- 19,508 Facilities were 'Enhanced' *
- 8,531 For Review

71% facilities now have 'Enhanced' data and are ready for harmonization

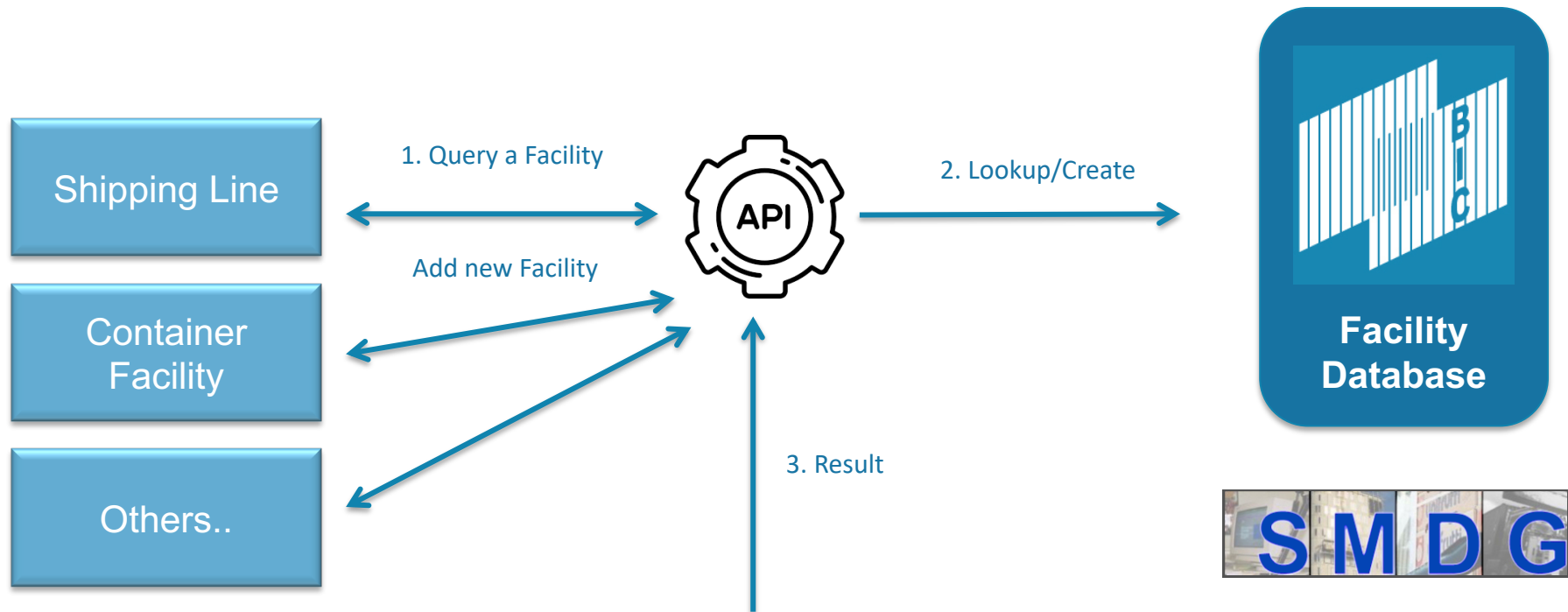
** Enhanced = Enhanced address, and GPS coordinates added.*



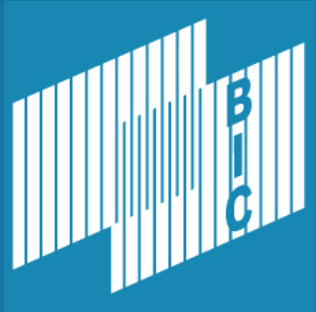
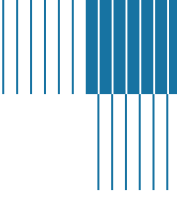


Demo of single API for BIC Facility Codes and SMDG Terminal Codes

Facility Code List – Normal Process



Code	Code Provider	Facility	Address	Co-ordinates
DEHAMHCCE	BIC	Hamburg Altenwerder CTA	Am Ballinkai 1, 21129 Hamburg, Germany	53.5082, 9.92863
DEHAMCTA	SMDG	HHLA CONTAINER TERMINAL ALTENWERDER (CTA)	Am Ballinkai 1, 21129 Hamburg, Germany	53.50083, 9.93639



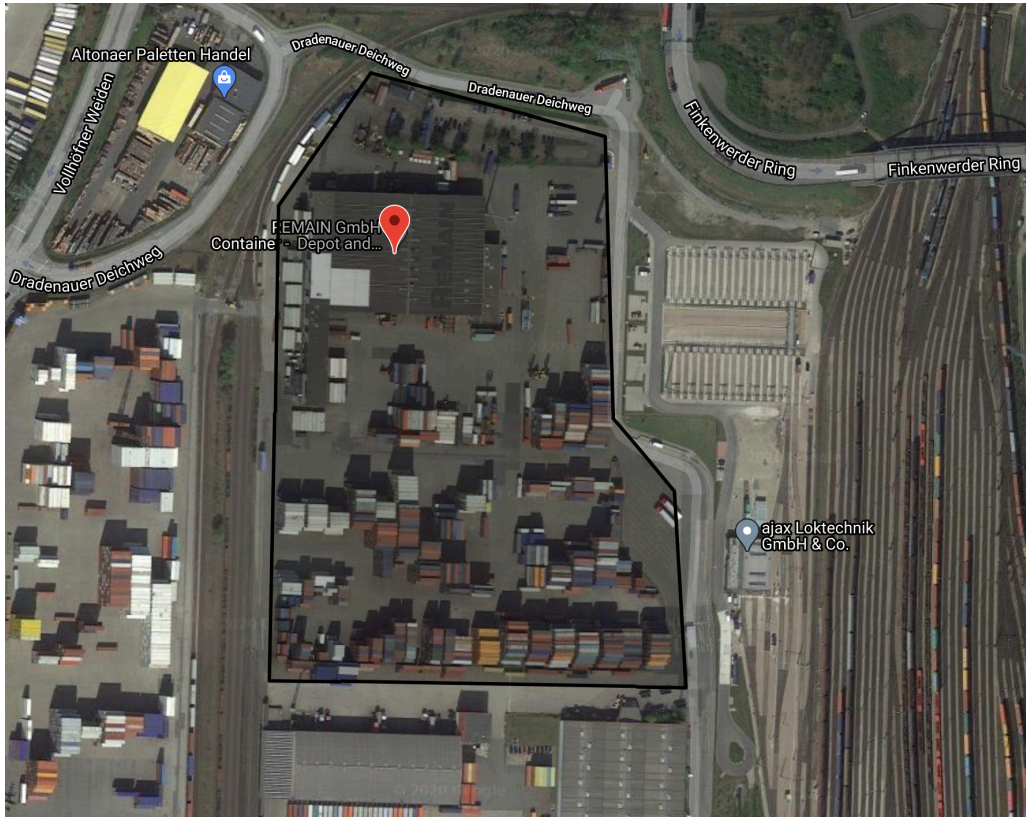
Future of Facility Codes – Geographical Features

Geographical Features

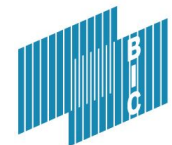
- Lat/Long
- Circles
- Polygons

Potential to **crowdsource** and overlay collectively to support smart assets and **automation.**

[Example Mapping](#)



- API ready to serve BIC and SMDG codes
- API ready to receive new code requests
- Harmonization project well underway with major ocean carriers and lessors



To Find Out More

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