

Content is King

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Language



...By the way, these are all saying “not me” so at least they understand the question

Establish a common language...



Word	British English meanings	Meanings common to British and American English	American English meanings
banger (n.)	a sausage, as in "bangers and mash"	a type of firework	a particularly club-friendly beat or song
	an old motorcar in a state of disrepair (US: beater)		a heavy metal music fan (head-banger)



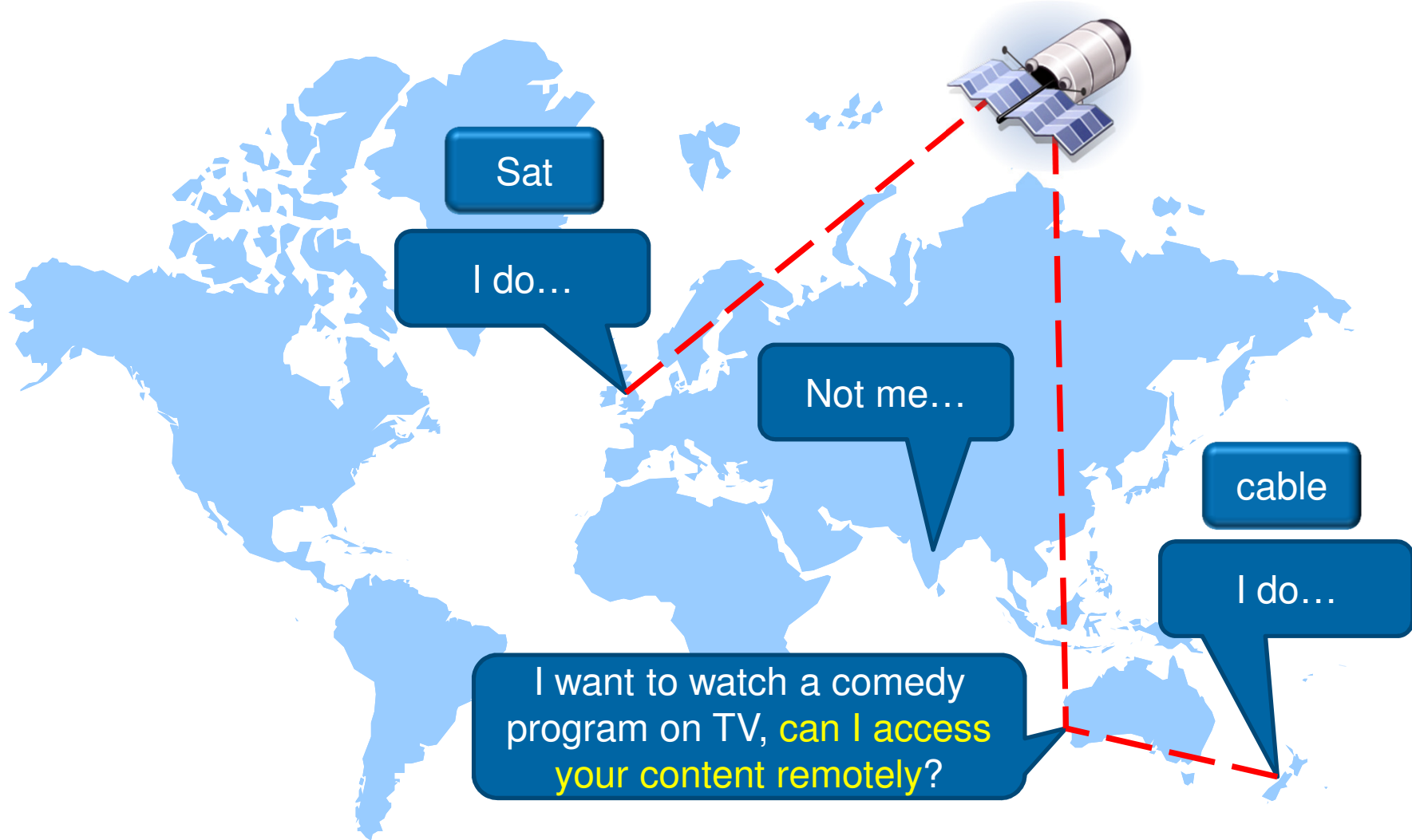
...but is the dictionary the same, or do you have dialects to deal with too?

Who broadcasts using the same PAL system?



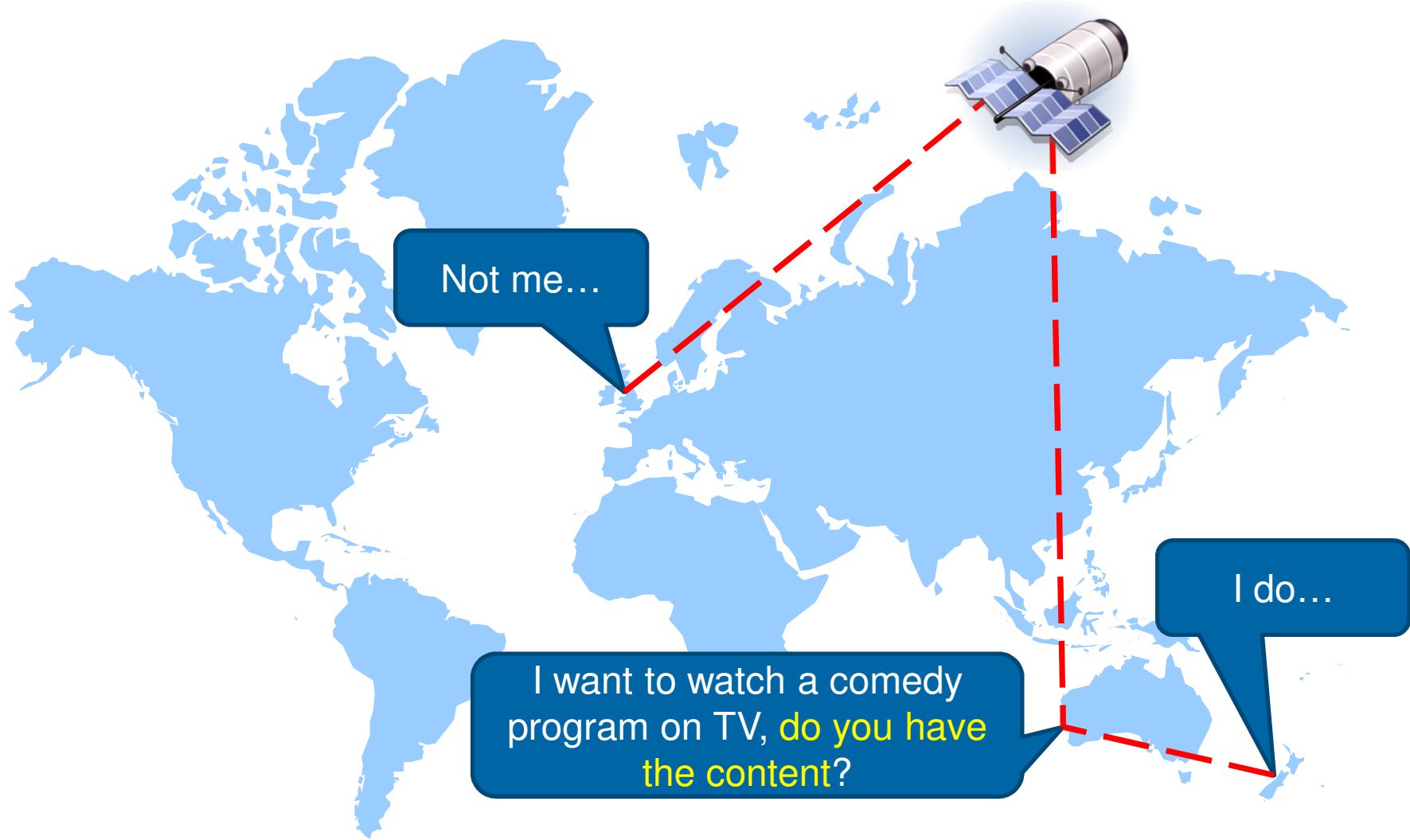
...same content carrier unless more conversion employed

How does the content get to you?



...do you have a connection to transmit the content?

So we have addressed the technology barriers...
what about the content itself?



...even with same language & technology the content - limited

The TV industry is global...



- Language
 - We have language translations and subtitles for content
 - We can deal with dictionaries and dialects
- Formats
 - We have standardized formats and well established transcoding
- Communication
 - We have multiple ways for the data to be transmitted;- satellite, cable, antenna, internet, disc media...

- And content creators around the globe sharing data...

UPDATED Compliance Maturity Levels Checklist (v7)

ORGANIZATION OF LEVELS IN PROPOSED CHECKLIST FOR PCA/JORD COMPLIANCE SPECIFICATION		EXISTING IDS-ADI COMPLIANCE GUIDELINE Axes (para 4.1 to be updated)	MATURITY CHECKLIST OPTIONS (Brief designation only. Refer to relevant guideline paragraphs.)
Technical	Modelling & Mapping - PART 7 Semantic Precision	4.1.1 (ie according to IDS-ADI Industrial Usage Procedure, and now ISO NWI-Part11)	DICTIONARY&TYPING LEVEL - Identification, Specialization & Classification template signatures only.
			SHORT-CUT RELATIONS LEVEL - As Dictionary Level plus <i>CoRwS</i> or other (eg <i>Gellish</i>) "Short-Cut" template signatures .
			FULL ONTOLOGY LEVEL - Any / all valid template signatures supported.
			AND
	Implementation- Representation Technology	4.1.2	Implicit / document / formatted / tabular / non-XML schema.
			Explicit Proprietary XML Schema
			RDL Registered XML Schema
			PART 8 RDF/OWL Representation
	Implementation - Referencing Technology	4.1.1 / 4.1.2	RD URI's resolved and self-contained in schema representation.
			Dependency on RD URI's being resolvable
			AND
			AND
	Implementation - Interface Technology	4.1.2	File Exchange only
			Specific API or Query other than Part 9 / SPARQL
			Part 9 SPARQL Façade
			AND
Business	Industrial Standardization Level	4.1.4	Sandbox Level (Community or individual organization with no externally certified management.)
			Industry Level (Global certifying authority other than PCA/JORD)
			PCA/JORD Level
			ISO Level
			AND
	Domain / Payload Subject-Matter Scope	BIDG	Explicit Scope (Per BIDG or otherwise declared.)
			AND
	Change Management Meta-Data Scope	4.1.3	Identity - all data elements & sets identifiable / explicitly addressable
			Version - identification of succeeding / superceding versions of data elements & sets explicit
			Status - business status explicitly attributed / associated with each identified & versioned data element & set.
			AND
	Change Management Functional Capability	4.1.3	Export - Component interface publishes or permits read / query of internal content
			Import - Component interface accepts write to internal content, or reads external content.

- Language
 - The language, grammar and structure of the content is defined
- Formats
 - We have standardized formats, albeit not well aligned through providers
- Communication
 - We have multiple ways for the data to be transmitted;- internet, disc-media etc.

- BUT
 - The dictionary, the primary construct for the content, is not yet complete enough to support mass global content collaboration as you would find in the TV industry...

Just a dictionary ?



*Samuel Johnson : **A Dictionary of the English Language – 1755***

- 1,500 Guineas (\$400,000 in 2011)
- 9 years to complete (estimated 3 years)

*“among the most influential dictionaries in the history of the English language”
Which remained the pre-eminent English dictionary for 173 years*

Second Edition Oxford English Dictionary (Vol 20)

- 171,476 current words
- 47,156 obsolete words
- 9,500 derivative words

By contrast:

Part 4 of ISO15926 (RLD) contains ~ '18,000' entries
Development since the mid 1990's.

PCA/iRing/WIP projects to expand this content 100,000 items in the public library

Just a dictionary : it isn't that simple



Engineer Eng/Obj/Def/Dict/Def/Definition:

Material, Height, Width, Diameter, Thickness, Insulation Properties, Number of Handles, Internal Volume, Min/Max Design Temperatures, Min/Max Operational Temperatures, Contents, Washed?
A small open vessel for liquids, usually of hemispherical or hemispheroidal shape, with or without a handle; a drinking-vessel."

What should this community do...?



1. Set realistic expectations and don't make blind assumptions
 - Be specific
2. Customer/supplier collaboration/alignment on exchange scope
 - Scope of content is not the same for P&ID → P&ID, P&ID → 3D, P&ID → CMMS exchanges
3. Reference Data Library
 - Current RDL may not have full scope of content defined as necessary for full transaction to execute, be prepared to contribute subject-matter-expertise
4. Change Management
 - May not support Create, Rename, Update, Delete for iterative transactions
5. Investment is required
 - At a project and an community level
 - If it has value it invariably will have a price, even if it is only your time...

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To Summarise:



- Member of the PCA
- POSC-Caesar-IDS & FIATECH-ADI projects
- “The underlying SmartPlant Foundation data model has shared a common basis with ISO 15926 Part 2 since their joint origins in the 1990s.”

Content



Thank You