

IDMP

IDENTIFICATION OF MEDICINAL PRODUCTS

18. DGRA Jahreskongress

16. Juni 2016

Dr. Andreas Franken

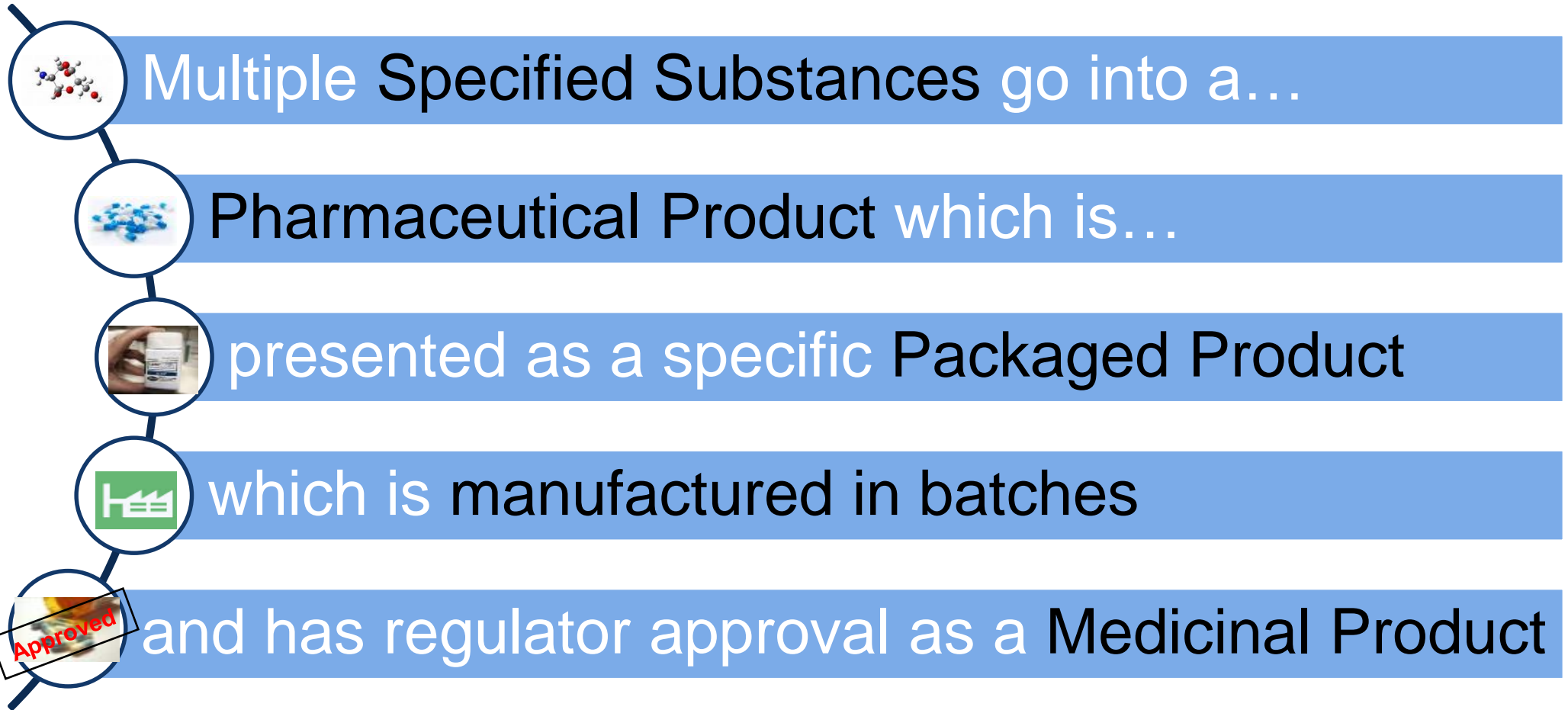


AGENDA / CONTENT

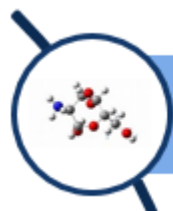
- Introduction to IDMP as a means of identification of products
 - IDMP – what is it ? And why ?
 - Hierarchy of identifiers and simplified view of use cases for these identifiers
 - Initial scope of data associated to each identifier

- IDMP from a business process perspective
 - Setting the scene
 - Time lines and overall goal
 - Implementation: Global – Europe – Member States
 - Industry involvement
 - Future Vision and Lessons Learned

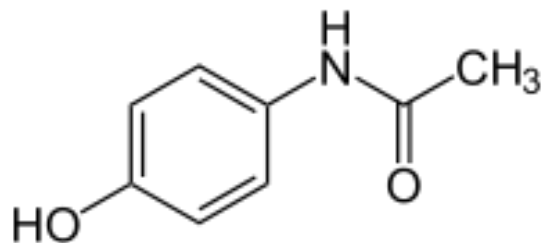
WHAT MAKES UP A “PRODUCT”?



SETTING THE SCENE

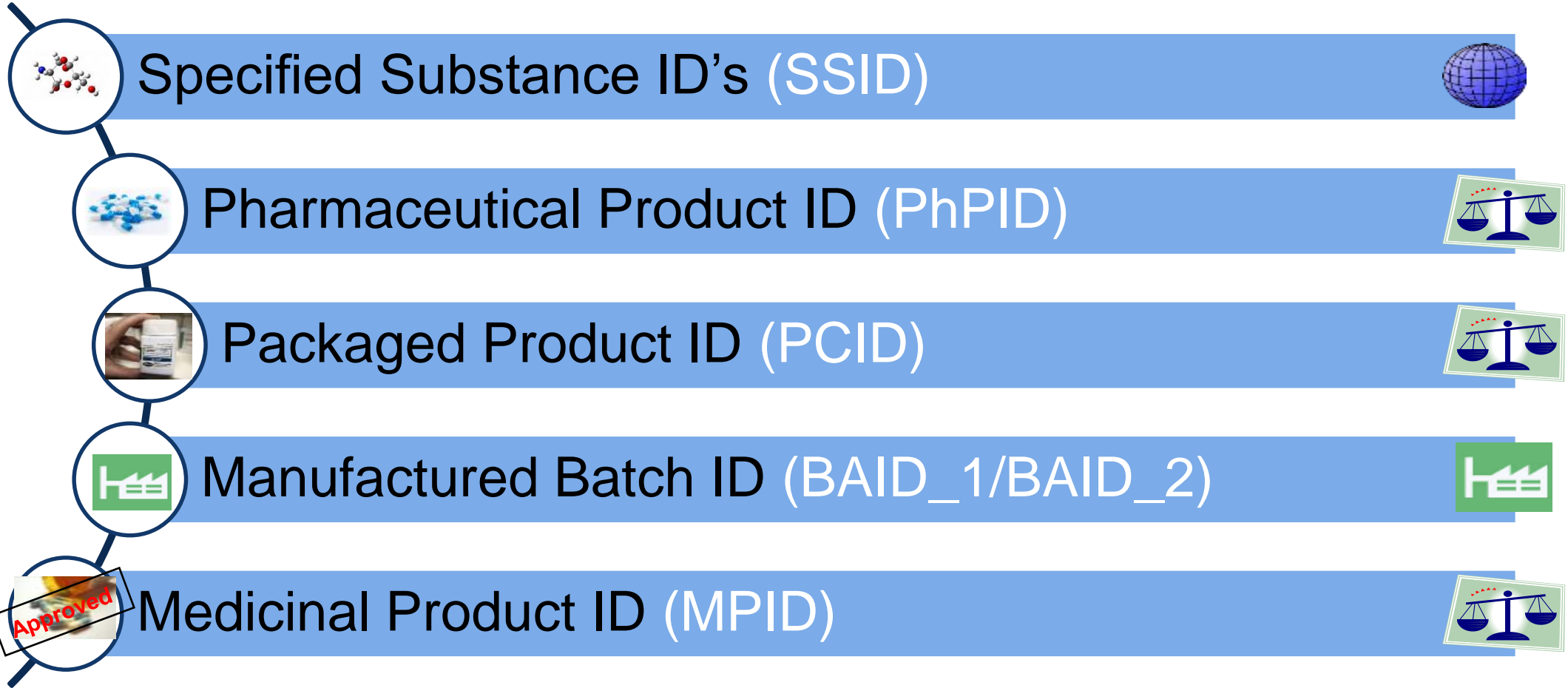


Multiple Specified Substances go into a...



**36209ITL9D
= SSID**

IN IDMP EACH OF THESE ENTITIES HAS AN IDENTIFIER



IDENTIFICATION OF MEDICINAL PRODUCT (IDMP)

Where does it come from?

- 5 ISO standards to uniquely identify a medicinal product
- 4 Implementation Guides to bring theory into real life
- Maintenance organisation(s) to assign unique identifiers
- A set of control vocabularies and terms
- A messaging standard to exchange data

IDMP

Identification of Medicinal Products

Substances

IG 19844 **ISO 11238**

Data elements and structures for the unique identification and exchange of regulated information on substances

This norm distinguishes Substances (defined based on its main, general characteristics ; can have different roles e.g. active, adjuvant, basis of strength, excipient) and Specified Substances (More granular, specific description of a substance e.g. including manufacturing information, purity, grade ; allows for the specification of multiple substances ("Intermediate Products" e.g. AS03 - adjuvant composed of squalene (10.69 milligrams), DL- α -tocopherol (11.86 milligrams) and polysorbate 80 (4.86 milligrams))

Dose forms, etc.

IG 20440 **ISO 11239**

Data elements and structures for the unique identification and exchange of regulated information on pharmaceutical dose forms, units of presentation, routes of administration and packaging

Identifies for example injection solution, Injection suspension, Infusion solution (or a less granular regional term linked to these)

MPID

IG 20443 **ISO 11615**

Data elements and structures for the unique identification and exchange of regulated Medicinal Product information

Defines, characterizes and uniquely identifies regulated medicinal products for human use during their entire life cycle (Development, authorization, post-marketing and renewal or withdrawal from the market) ; Establishes definitions and concepts ; Describes data elements and their structural relationships required for the detailed description and unique identification of medicinal products

Units of measurement

ISO 11240

Data elements and structures for the unique identification and exchange of units of measurement

Specify rules for the usage of units of measurement for IDMP ; Define requirements for traceability to metrological standards ; Establish reference code system for units ; Provide structures and rules for mapping between different unit vocabularies and language translations, linking to existing systems, dictionaries and repositories

PhPID

ISO 11616

IG 20451

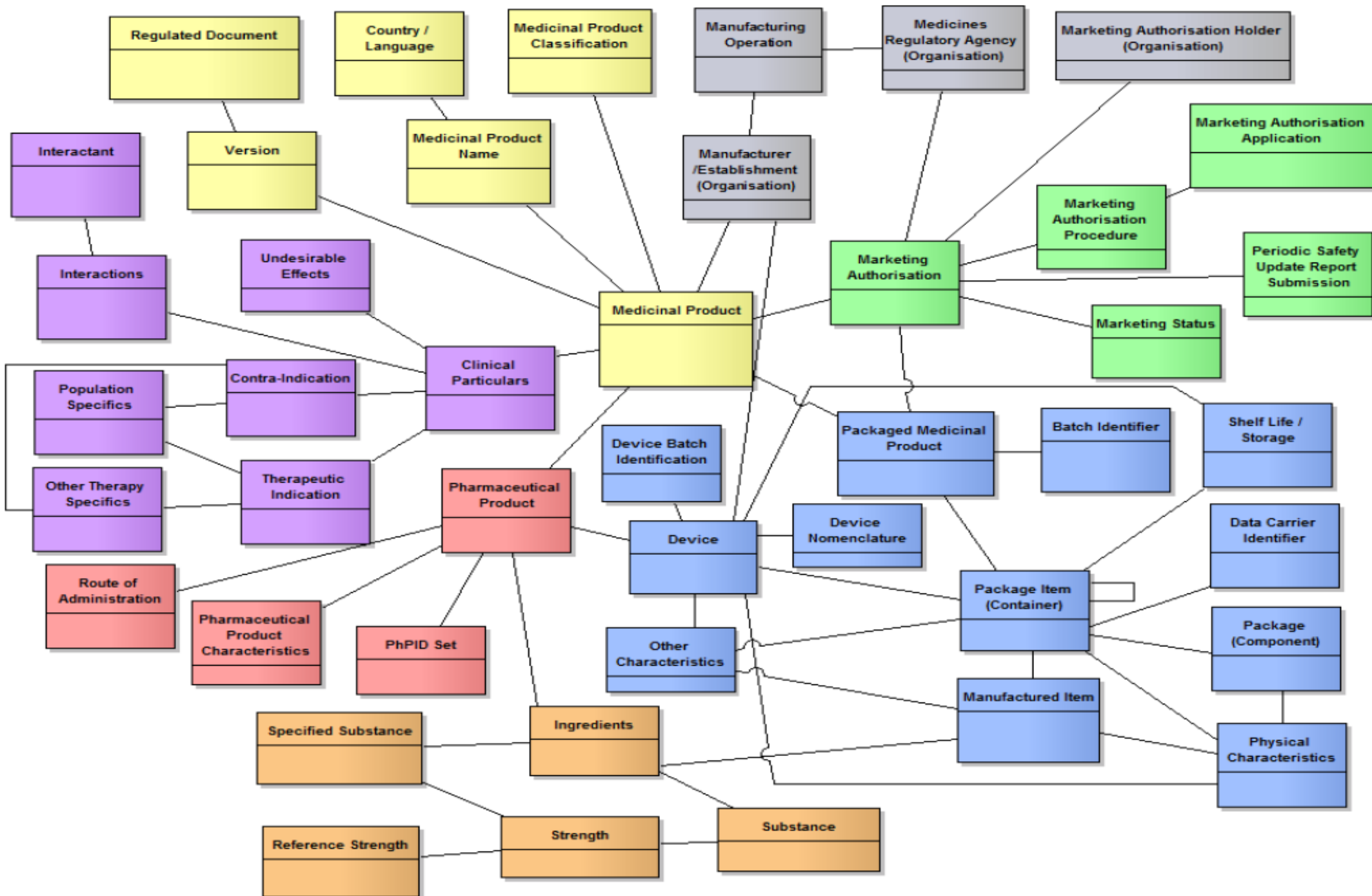
Data elements and structures for the unique identification and exchange of regulated Medicinal Product information

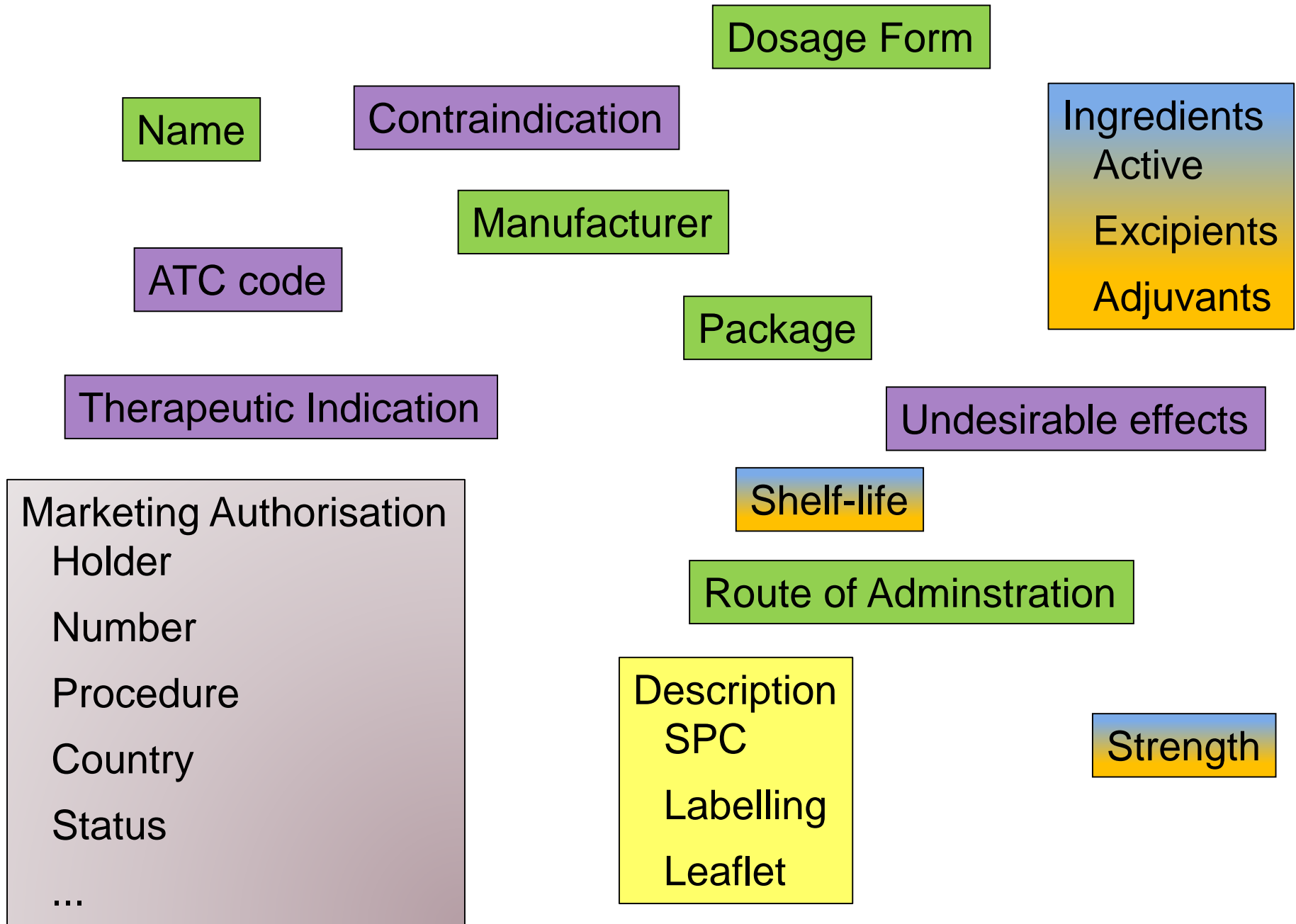
Pharmaceutical Product Identification (PhPID) based on the following subset of elements that describe the pharmaceutical product:

- Substance(s)/Specified Substance(s)
- Strength(s) - Strength units (units of measurement and/or unit of presentation)
- Reference Strengths
- Administrable Dose Form



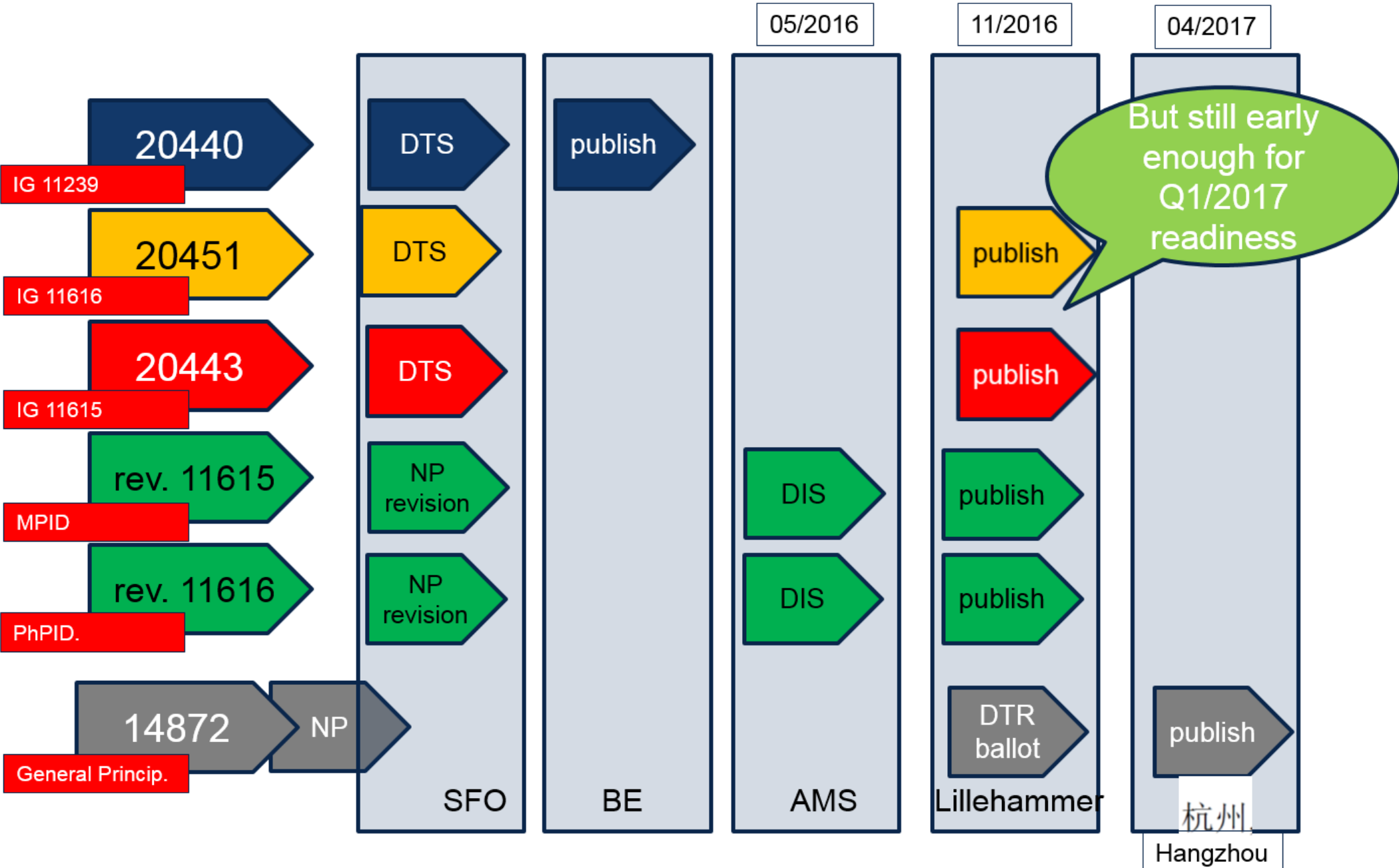
class Full Model Authorised Medicinal Products Conceptual Level





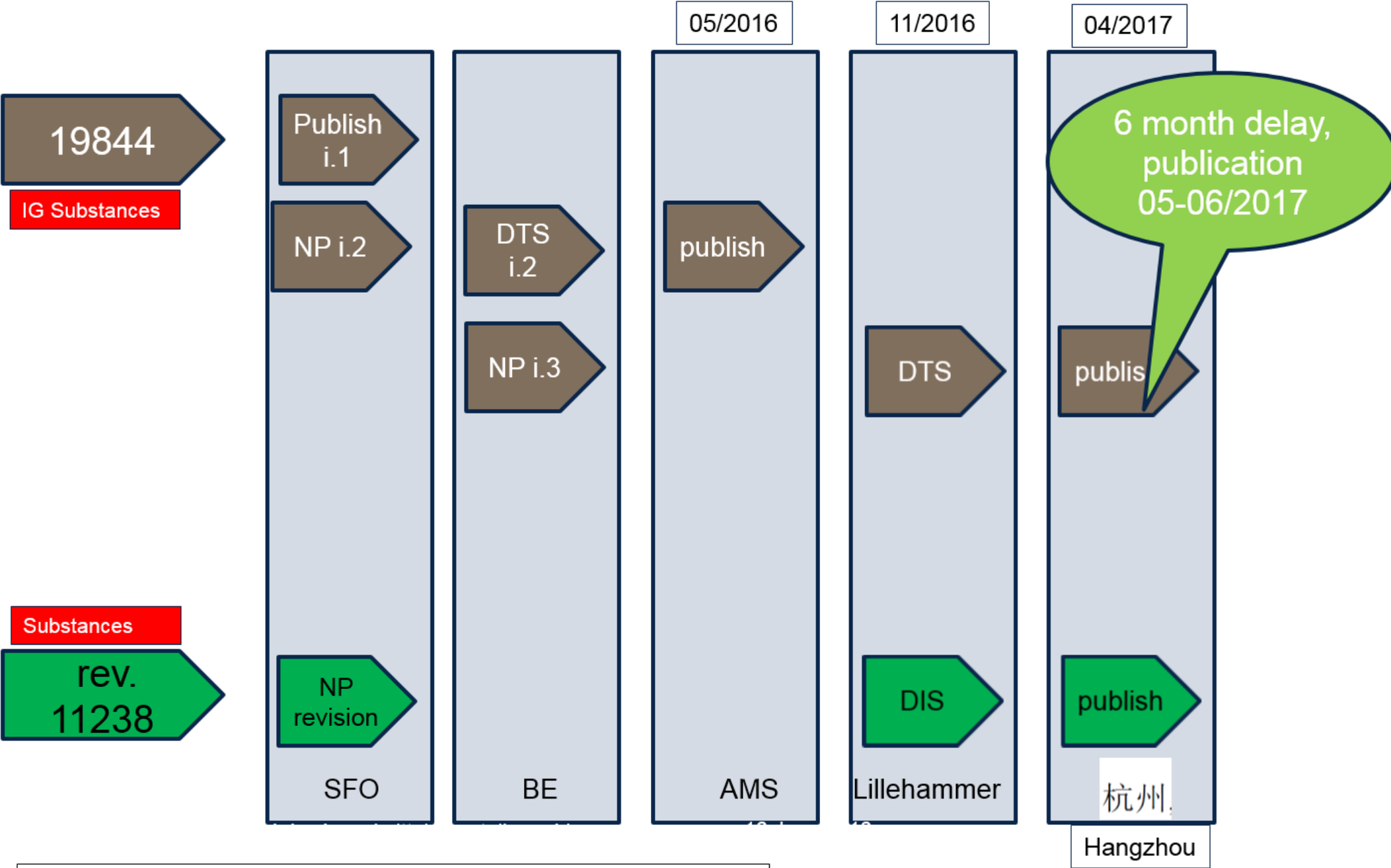
ISO IDMP TIMELINES

IDMP ROADMAP – MAY 2016



Source: Presentation by Christian Hay; ISO Amsterdam May 2016

IDMP ROADMAP - SUBSTANCES



Source: Presentation by Christian Hay; ISO Amsterdam May 2016

SO? WHEN IS IT COMING?

Full set of ISO Implementation Guides and **all basic standards** revised to be **complete and published** by

Q2 2017

(up to know !!!)

„THE DEADLINE CONFUSION“ – ART 40

- The obligation on the part of **marketing authorisation holders, national competent authorities** and **the Agency** to use the terminology provided for in points (c) to (g) of Article 25 shall apply from

▪ **1 July 2016**

- BUT:
“The European Commission, the European Union (EU) Network Data Board and the EU ISO IDMP Task Force have endorsed a **phased implementation** of the ISO IDMP standards. The phased implementation will commence in July 2016 with the release of terminologies, or so-called **controlled vocabularies**, and **organisation identifiers**.”

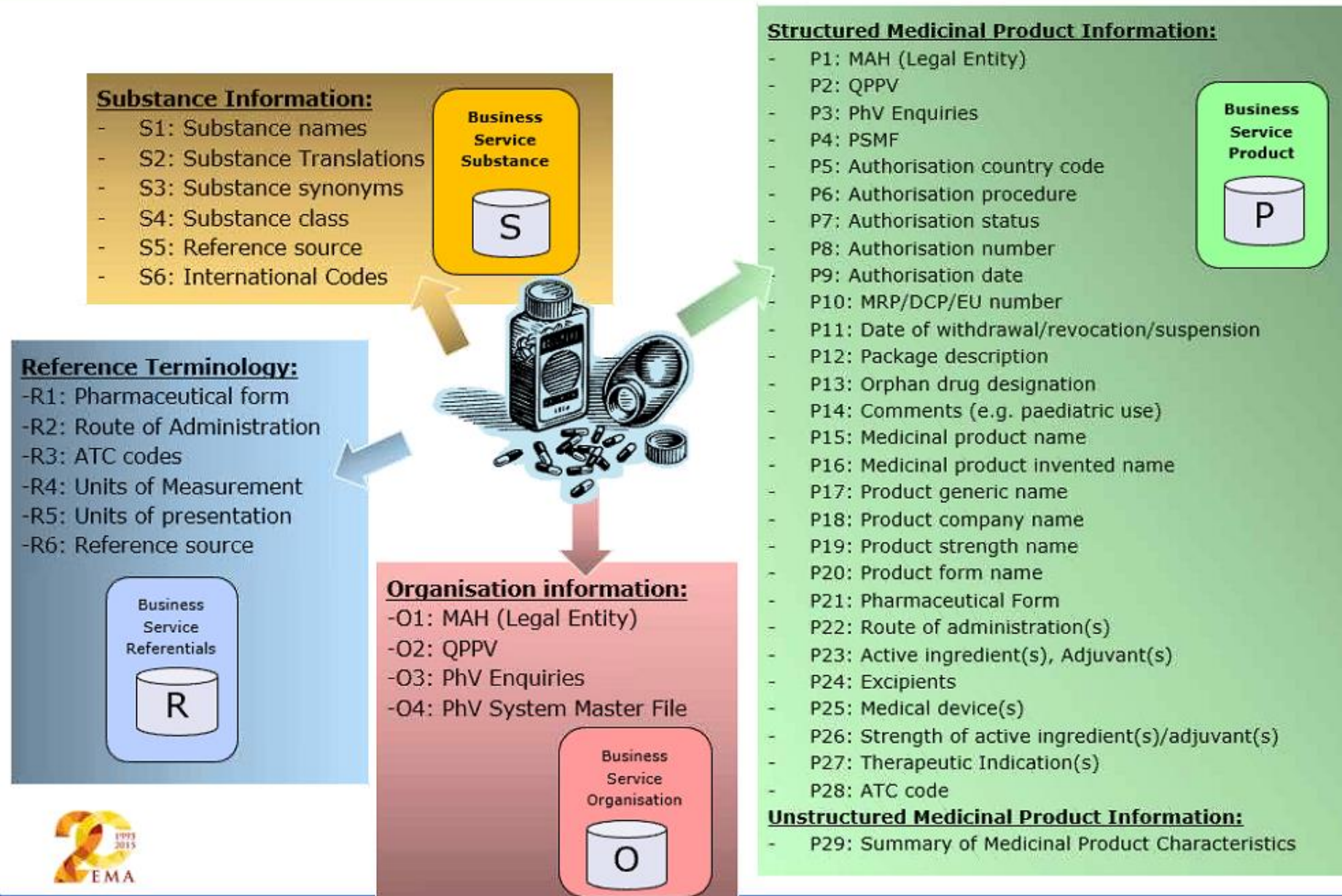
SPOR (IDMP) TIMELINES

SPOR ???

**"Every time you've learned all the answers,
they change all the questions."**

Oliver Otis Howard (1830-1909), American founder of the Howard University,
Washington D.C.





Implementing ISO IDMP through SPOR

The 5 new ISO IDMP standards are all about **master data***

In the case of the regulated EU pharmaceutical industry, there are four domains of master data:

**Master data is any information that is considered to play a key role in the core operation of a business*

1. **Substances:** Data that describes the ingredients that make up the medicinal product
2. **Products:** Data that describes the marketing and medicinal information relating to a product
3. **Organisations:** Data about the organisations that develop, own and manufacture the products e.g. pharmaceutical company names, their addresses, their plants, distribution centres, their regulatory agencies, and persons related to these organisations
4. **Referentials:** Lists of terms used to describe attributes of products eg. lists of dosage forms, country codes, package codes, weight codes

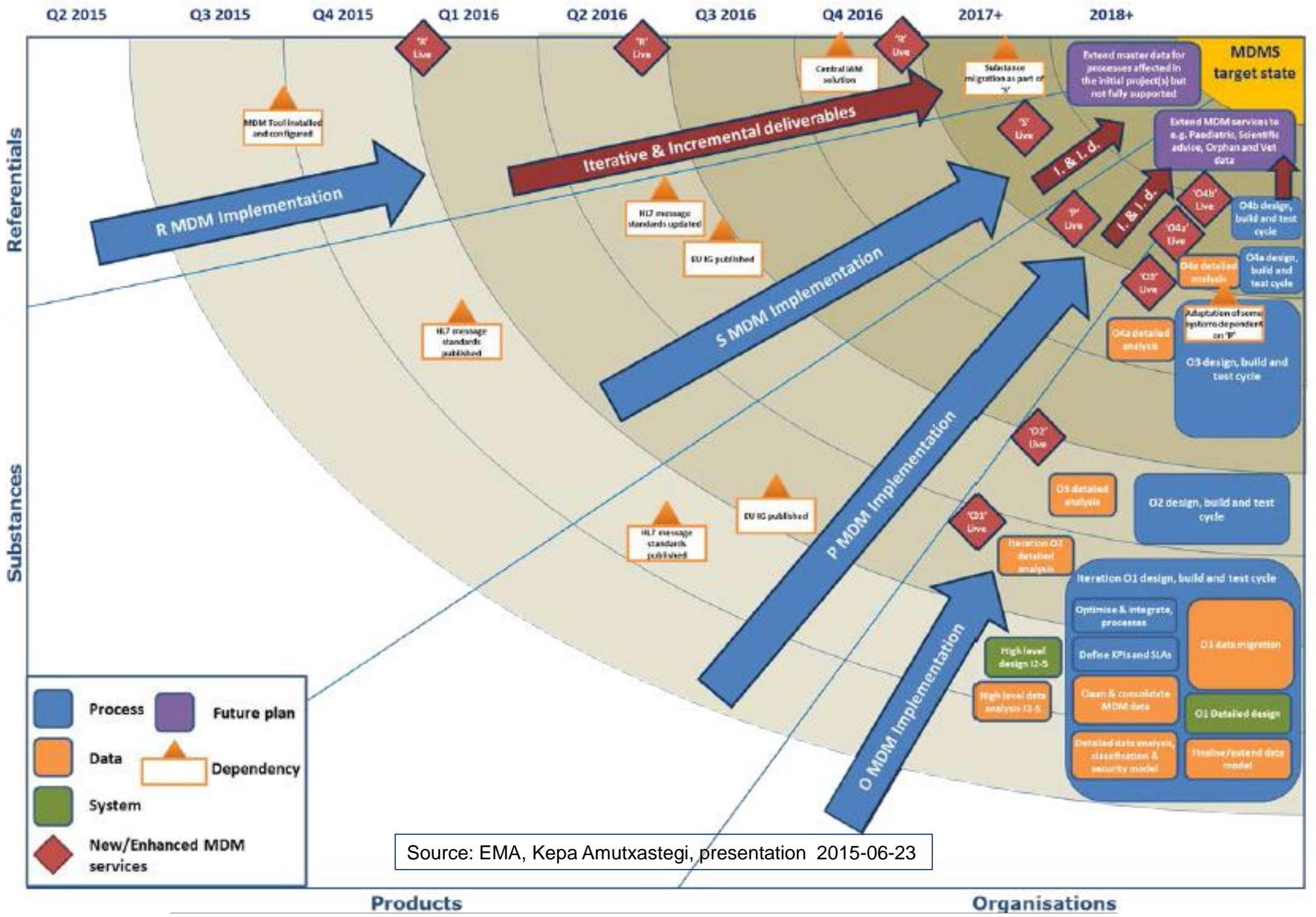
The SPOR programme has been established to implement services that centralise management of the four domains of master data. The programme will be a phased implementation of 4 projects; 1 for each of the domains:

Substance
Management
Services
(SMS)

Product
Management
Services
(PMS)

Organisation
Management
Services
(OMS)

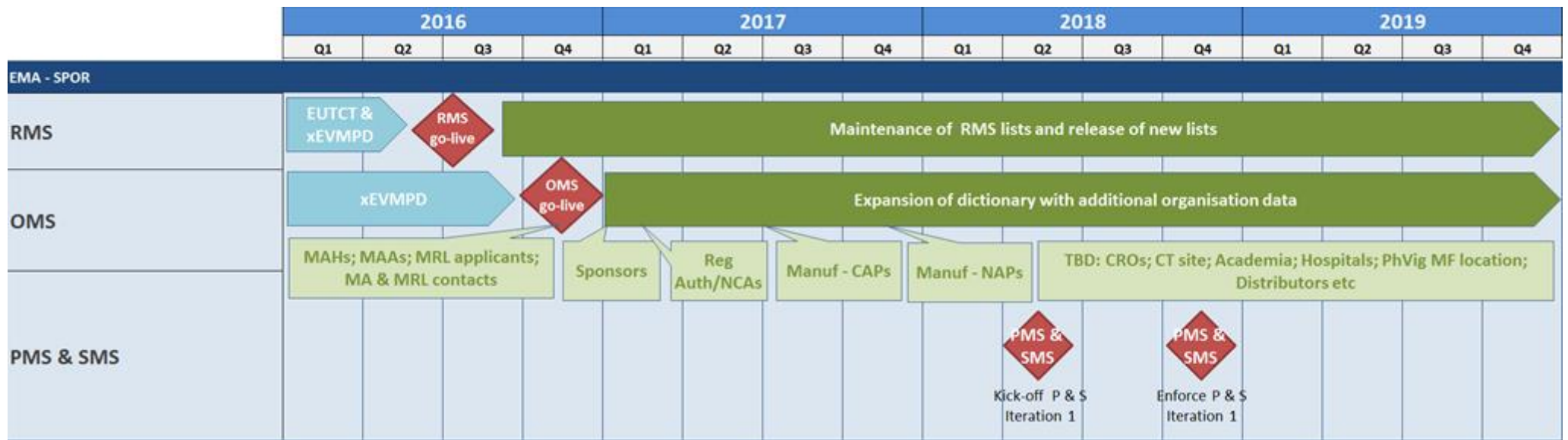
Referentials
Management
Services
(RMS)



Source: EMA, Kepa Amutxastegi, presentation 2015-06-23

Roll-out plan

We will be using a **phased approach** to implement the new ISO IDMP standards. RMS and OMS will be the **first projects to go live** since the Referentials and Organisations data provide the foundations for implementing PMS and SMS.



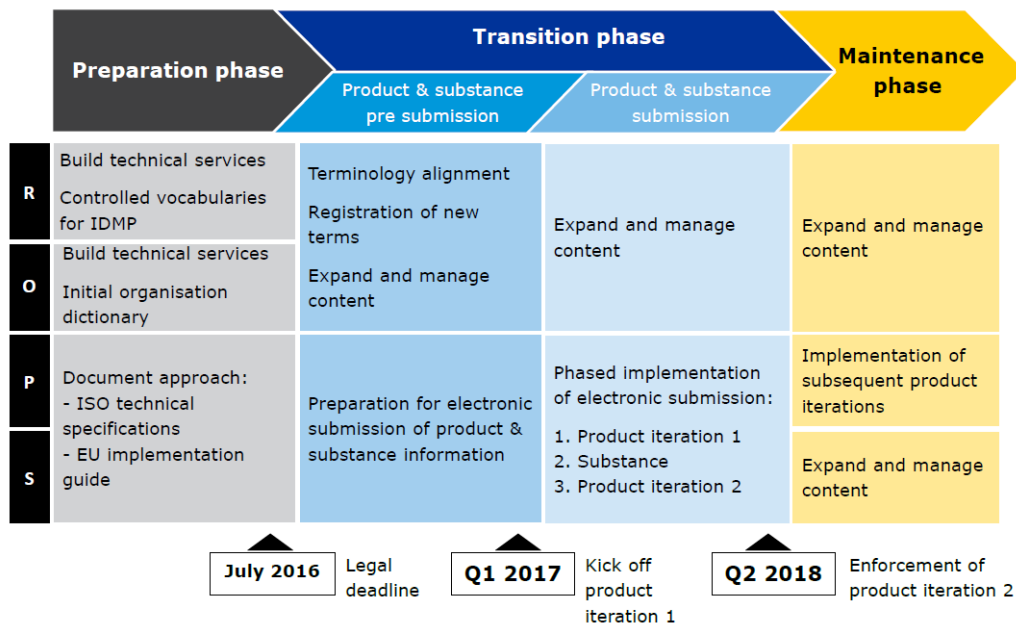
RELATIVE TIMELINE FOR IG AND ITERATION



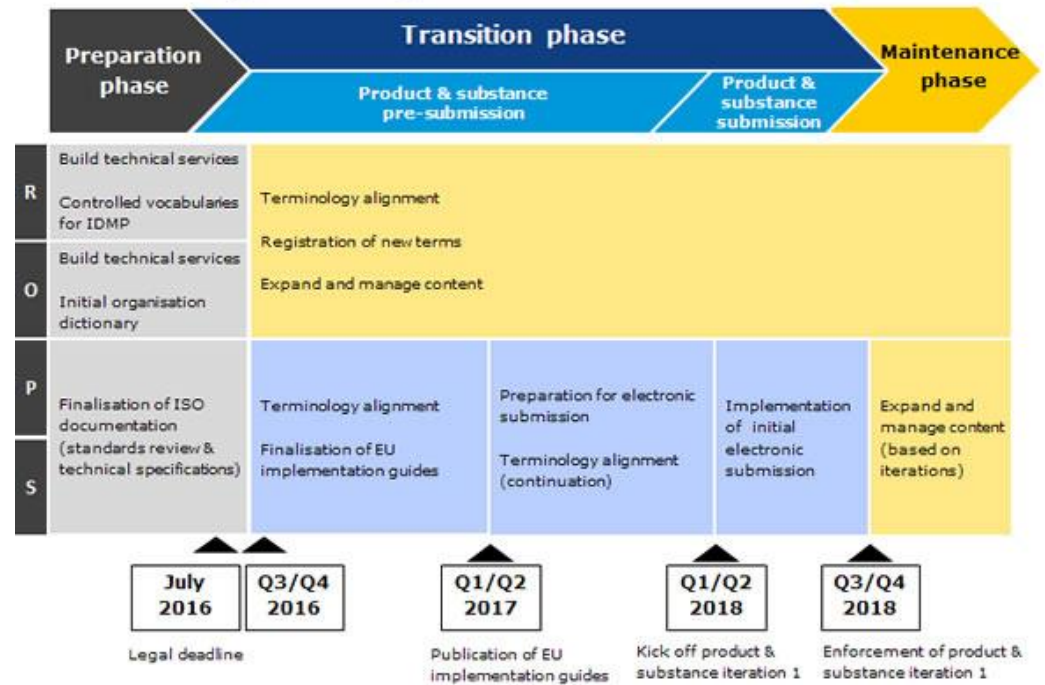
TIME SHIFT (EVERY 3 MONTH?)

EMA webpage: Human regulatory/Data submission on medicines/Implementation of ISO IDMP standards

Overall high level plan for SPOR



Overall high level plan for SPOR



© 2015 European Medicines Agency

BASIC PRINCIPLES OF INITIAL DATA SCOPE

Data fields required to identify product at the various levels

+

Current attributes submitted to XEVMPD under Article 57

(Art 57 project closed at the Agency since April 2016 and whole activity is in operation and maintenance – 10.000 products coming every month)

Recommendation for PMS Iteration 1



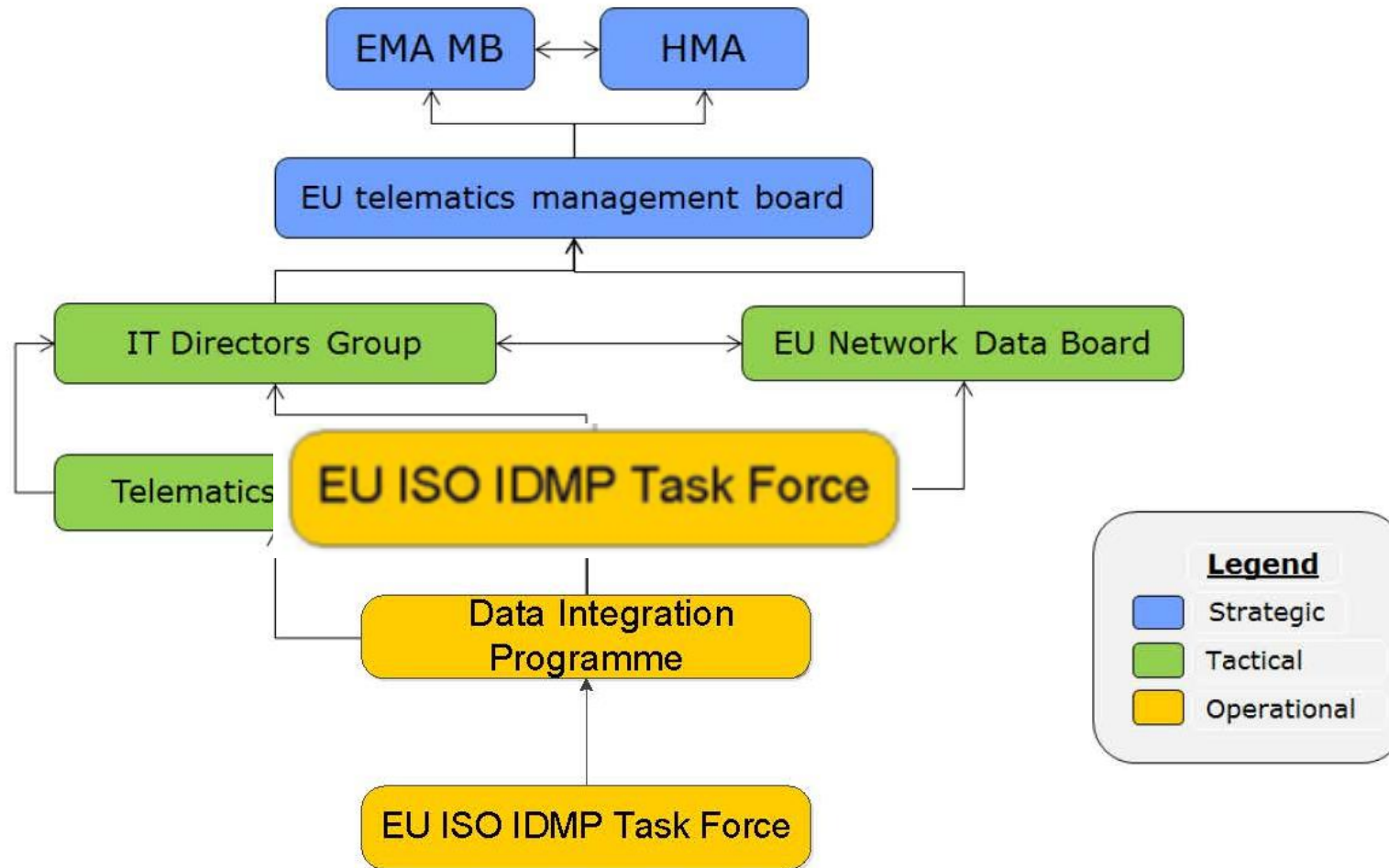
Medicinal Product	Marketing Authorisation	Pharmaceutical Products	Package description
MPID	Marketing Authorisation Number	Administrable Dose Form	PCID
Combined Pharmaceutical Dose Form	Country	Unit of Presentation	Package Description
IMPID Corss-Reference	Legal Status of Supply	Route of Administration	Package Item (Container) Type
Additional monitoring indicator	Authorisation Status	PhPID Identifier Sets	Package Item (Container) Quantity
Orphan Designation Status	Authorisation Status Date	Device Type (combined medical device ATMP)	Material
Name (Med.Product)	Date of First Authorisation	Device Trade Name (combined medical device ATMP)	Component Type
Invented Name Part	Procedure Identifier/Number (e.g. MRP number)		
Scientific Name Part	Procedure Type (e.g. MRP/DCP)		
Strength Name Part	Country (national authorisation)	Ingredient	Component Material
Pharmaceutical Dose Form Part	Marketing Authorization Number (national authorisation)	Ingredient Role	Manufactured Dose Form
Formulation Part		Substance	Unit of Presentation
Intended Use Part	Organisation (e.g. MAH, QPPV, PSMFL)	Specified Substance	Manufactured Item Quantity
Target Population Part	Identifier	Confidentiality Indicator	Device Type
Container or Pack Part	Role	Strength Range (Presentation)	Device Trade Name
Device Name Part	Location Address	Strength Range (Concentration)	
Trademark or Company Name Part	Location Role	Reference Strength Substance	
Time/Period Part	Entity Identifier (according to Role e.g. PSMF ID)	Reference Strength Specified Substance	
Flavour Part		Reference Strength Range	
Classification System	Marketing information		
Classification System Value	Country		
Version Date	Marketing Status		
Version Identifier	Marketing Date		
Document Type	Risk of shortage supply		
Document Identifier	Risk of shortage supply comment		
Regulated Document			
Document Effective Date	Indication		
Country	Indication Text		
Language	Indication as "Disease/ Symptom/ Procedure"		
	Co-Morbidity		
	Intended Effect		

• Around 20 data elements were removed/[create Screen Clipping](#)
 streamlined/ re-modelled
 • It is agreed to include 5 data elements to cover Shortage and Marketing information
 → **Total 80 Data elements in PMS Iteration 1**

ITERATION 1 IMPLEMENTATION GUIDE

EU IDMP Implementation Guide Modular Table of Content (DRAFT)			Iteration	
			Description	RMS v1
			Date	3Q 2016
			Overall EU IG Version	v0.1
			Data Elements (High Level)	
			Cross Reference	
Guide	Module/Process	Chapters	#	Author
'Interim Process'	Interim Process	Interim process plan	1.1	S&P?
		interim process timelines	1.2	S&P?
		Interim Process (initial + maintenance)	1.3	S&P?
	Migration Guide	Mapping Strategy	1.4	S&P?
		Migration Process	1.5	S&P?
S.P.O.R. Documentation	S.P.O.R. User Manual	User Manual (System Functionality)	2.1	EMA
	S.P.O.R. Technical Documents	Technical Specification	2.2	EMA
		Application Programming Interface (API)	2.3	EMA
		SPODR Messaging Format	2.4	EMA
Quality Control	Quality Control Methodology	Complete List of Content Fields and Controlled Vocabularies for EU IG	2.5	S&P?
		Data Quality Assurance Process	2.6	S&P?
		Data Access, Monitoring and Reporting	2.7	RMS
'To Be Process' Target Operating Model	Set Up	Registering an Organisation (Org_ID & Org_Location_ID)	3.1	OMS
		Maintain Organisation Information	3.2	OMS
		Registering a Substance (SID & SSID)	3.3	S&P?
		Maintaining Substance Information	3.4	S&P?
		Requesting a new/updated Referential Term	3.5	RMS
	Pre-Trial	Applying for new Scientific Advice	3.6	S&P?
		Applying for Clinical Trial Application (CTA-IMPID, PhPID)	3.7	S&P?
	Development	Amending a Clinical Trial Application	3.8	S&P?
		Requesting an ATC/INN	3.9	RMS
		Submitting a PIP	3.10	S&P?
		Submitting a PSP	3.11	S&P?
		Submitting a DSUR	3.12	S&P?
		Maintaining IDMP Information during Development	3.13	S&P?
		Applying for Marketing Authorisation (PCID)	4.1	S&P?
		Maintaining IDMP in a Marketing Authorisation during Review	4.2	S&P?
		Specific Cases relating to MAAs (e.g. PRIME)	4.3	S&P?
		Linguistic Review (CAP)	4.4	S&P?
	Marketing Authorisation Application	Post Approval/Pre-Launch Activities (BAID)	4.5	S&P?
		Submitting a Variation e.g. Safety/CMC	5.1	S&P?
		Submitting an ICSR	5.2	S&P?
		Maintaining Post Approval Commitments	5.3	S&P?
		File new MAA in EU	5.4	S&P?
		Apply for IIS	5.5	S&P?
Apply for License Renewal		5.6	S&P?	
Maintaining Marketing Status for Shortage of Supply		5.7	S&P?	
Apply for License Transfer		5.8	S&P?	
Withdraw Product License	5.9	S&P?		
Life Cycle Management	Serialization (FMD) updates to EU Data Hub		S&P?	
	xEVMPD		S&P?	
	NCA Guide for how to receive/evaluate IDMP Information		?	
Integration Guide (Out of Scope)				

GOVERNANCE UNDER THE EMA

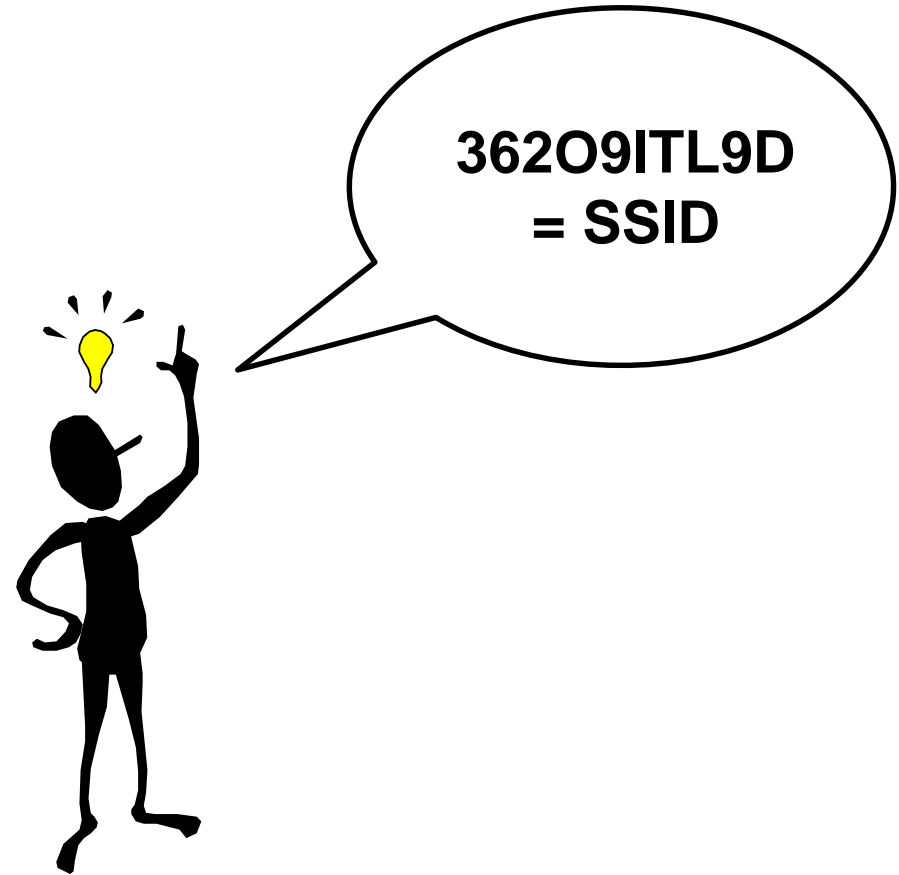


MEMBERSHIP OF ISO IDMP TASKFORCE

- 6 from EMA:
 - 3 representing business
 - 3 representing IT
- 20 from the EU Regulatory Network (EUNDB):
 - 8 NCAs, 1 European Commission, 1 EDQM
 - Up to 10 additional experts
- 24 from Industry Associations (up to 3 reps each)
 - Incl. AESGP, EFPIA, EuropaBio, EGA
- 10 interested parties:
 - EDQM, EU Commission, SwissMedic, Veterinary MP
 - experts from software vendors, service providers, medical product dictionary/ database solution developers
 - FDA representatives !! (learning and contributing)

EVER SEEN AN IDMP CODE ???

SSID ?? GINAS PROJECT





alpha version

Search ...

Home Browse Substances Download Structure Search Sequence Search Login

Record Status

- Validated (UNII) 76021
- Non-Validated 6864
- FAILED 6

Substance Type

- Chemical 54672
- Structurally Diverse 17216
- Concept 6864
- Mixture 1845
- Polymer 1299
- Protein 984
- Nucleic Acid 11

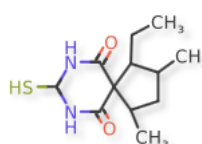
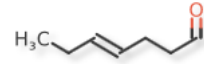

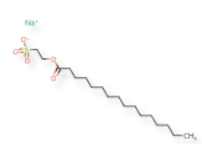




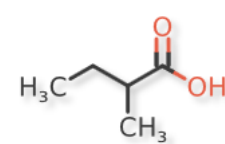
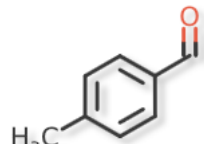
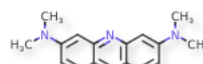
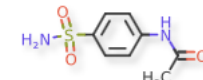
Stereochemistry

- ACHIRAL 29884
- ABSOLUTE 15670
- RACEMIC 6860
- MIXED 1360
- EPIMERIC 490
- UNKNOWN 408

Molecular Weight

82891 << 1 2 3 4 5 6 7 ... 5180 5181 >>

Download

LR477QH2IL	WLK79PR715	I1960HX6EK	O4087ZS08U
MIXED 	ACHIRAL 	Concept 	ACHIRAL 
SPIROBARBITAL 	4-HEPTENAL, (4E)- 	HYDROXYPROPYL .BE... 	SODIUM PALMITOYL ISE... 
PX7ZNN5GXX	GAX22QZ28Q	F30N406XVV	340484WZ3L
RACEMIC 	ACHIRAL 	ACHIRAL 	ACHIRAL 

Content Server - Redirection x Substances x +

ginas.hres.ca/ginas/app/substances?q="paracetamol" Suchen

Meistbesucht NEWS DSB Privat 4Kids ICH-XML KliFo IDMP ISO-DIN eSIGN eHealth Bei Dynamics CRM On... BAH-Sharepoint DailyMed Miles & More - Nachtr... Meistbesucht

ginas alpha version

Search ...

Home Browse Substances Download Structure Search Sequence Search Login

Last Edited

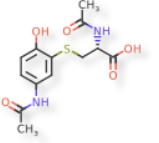
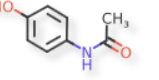
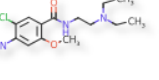
- Today 0
- This week 0
- This month 0
- Past 6 months 9
- Past 1 year 0
- Past 2 years 0

Reference Type

- SRS 9
- BATCH_IMPORT 9
- PROPERTY_IMPORT 8
- SYSTEM 8
- SRS_LOCATOR 4
- INN 3
- JOURNAL ARTICLE 2
- USP 1
- BOOK 1
- WEBSITE 1

Validated By


- FDA_SRS 9

	2-HYDROXYPHENYL)-; N-ACETYL-2-(N-ACETYL-L-CYSTEINYL)-4-AMINOPHENOL; 3-((5-ACETAMIDO-2-HYDROXYPHENYL)THIO)-N-ACETYALANINE; ACETAMINOPHEN MERCAPTURATE	Apr 26, 2016 Last modified: a month ago Validated (UNII) version: 1
Codes: C048094; 52372-86-8 C13H16N2O5S Relationships: 1	ACETAMINOPHEN 36209ITL9D	
ACHIRAL	Other Names: ACETAMINOPHEN COMPONENT OF TALACEN; ANOQUAN COMPONENT ACETAMINOPHEN; PARACETAMOLUM; ACETAMINOPHEN COMPONENT OF DARVO CET; XARTEMIS COMPONENT ACETAMINOPHEN; P-HYDROXY-ACETANILID	Moieties: 1 Date approved: Apr 26, 2016 Last modified: a month ago Validated (UNII) version: 1
	Codes: 606318; QN02BE01; N02BE71; N02BE01; SUB09611MIG; QN02BE51 C8H9NO2 Relationships: 18	
METOCLOPRAMIDE L4YEB44I46		
ACHIRAL	Other Names: ELIETEN; métoclopramide; metoclopramidum; METOCLOPRAMIDE; 4-AMINO-5-CHLORO-N-(2-(DIETHYLAMINO)ETHYL)-O-ANISAMIDE; BENZAMIDE, 4-AMINO-5-CHLORO-N-(2-(DIETHYLAMINO)ETHYL)-2-METHOXY-	Moieties: 1 Date approved: Apr 26, 2016 Last modified: a month ago Validated (UNII) version: 1
	Codes: SUB08902MIG; C62046; N0000175799; A03FA01; METOCLOPRAMIDE; 241 C14H22ClN3O2 Relationships: 16	

EDQM – DATABASE FOR STANDARD TERMS

Browser address bar: <https://standardterms.edqm.eu/stw/controlledterms/communications/0>

Navigation: News and Information ▾ Browse ▾ Search ▾ Welcome WG 6 ▾



COUNCIL OF EUROPE
CONSEIL DE L'EUROPE

European for
of
to

- Pharmaceutical dose forms by Intended site
- Pharmaceutical dose forms by State of matter
- Combined pharmaceutical dose forms
- Combined terms
- Routes and methods of administration
- Packaging
- Combination packs
- Patient-friendly terms

News and Information

Guidance and change requests

The user guide and change request form can be downloaded by clicking on the following links:

- [Introduction and guidance for use \(v.1.0.0\)](#)
- [Change request form](#) (in preferred DOCX format; click [here](#) for DOC version)

The lists of controlled vocabularies used to characterise pharmaceutical dose forms can also be downloaded by clicking on the following link:

- [Internal controlled vocabularies for pharmaceutical dose forms \(v.1.0.0\)](#)

Please note: the EDQM can only accept requests for modifications or additions to the Standard Terms database from the national competent authorities of member states, the EMA or the EU.

Status definitions

Each term in the Standard Terms database is assigned a status according to the following definitions.

- **Current:** the Standard Term is approved for use.
- **Deprecated:** the Standard Term is not approved for use; it is not physically removed from the database and is maintained to cover legacy data.
- **Rejected:** the proposed term has been rejected during evaluation and is not approved for use as a Standard Term; it is included in the database in order to avoid the submission of new requests for the term.
- **Pending:** the proposed term is being evaluated; it is not considered a current Standard Term and is not approved for use.

Further instructions for use

Current	Effervescent granules	Human and Veterinary
Pending	Effervescent granules for oral suspension	Human and Veterinary
Current	Effervescent powder	Human and Veterinary
Current	Effervescent tablet	Human and Veterinary
Rejected	Film coated gastro-resistant tablet	Human and Veterinary
Current	Film-coated tablet	Human and Veterinary
Current	Gastro-resistant capsule, hard	Human and Veterinary
Current	Gastro-resistant capsule, soft	Human and Veterinary
Deprecated	Gastro-resistant coated tablet	Human and Veterinary
Current	Gastro-resistant granules	Human and Veterinary
Current	Gastro-resistant granules for oral suspension	Human and Veterinary
Deprecated	Gastro-resistant prolonged-release tablet	Human and Veterinary
<div style="display: flex; border-bottom: 1px solid #ccc; margin-bottom: 10px;"> <div style="background-color: #2c5e8c; color: white; padding: 2px 10px; margin-right: 5px;">Details</div> <div style="padding: 2px 10px; margin-right: 5px;">Characteristics</div> <div style="padding: 2px 10px; margin-right: 5px;">Translations</div> <div style="padding: 2px 10px;">Summary sheets</div> </div>		
Concept Code	50026250	
Term	Gastro-resistant prolonged-release tablet	
Comment	Use discouraged. The important characteristic is that the tablet is a prolonged-release formulation.	
Concept class	pharmaceutical dose form	
Domain	Human and Veterinary	
Concept Status	Deprecated	
Replacement Coded Concepts	Prolonged-release tablet	
Version Number	2	
Version creation date	2014-09-04 13:19:39	
Modification made	Coded Concept Change: replacement coded concept added.	
Language	English	
Expanded code	PDF-50026250-EN-GB	2015-06-24
Concept creation date	2010-08-09 09:56:55	
Current	Gastro-resistant tablet	Human and Veterinary

BASIC DOSE FORM „TABLET“

Table 5 – Example code term pairs for the basic dose form category ‘Tablet’

code	BDF-0069-EN-GB	BDF-0069-FR-FR	BDF-0069-JA-JP
term	tablet	comprimé	錠剤
definition	category of solid pharmaceutical dose forms that are usually compressed volumes of particulate solids (but may be obtained by other means), formed into a shape that is appropriate for their intended use	catégorie des formes pharmaceutiques solides qui sont généralement des volumes compressés des particules solides (mais qui peuvent être obtenues par d'autres moyens), créées dans une forme qui est appropriée pour l'usage prévu	固形製剤の分類は、通常、固体粒子を圧縮し（なお、他の製造方法を用いる場合もある）、使用目的に適した形状に成形する。
languageCode	EN	FR	JA
regionCode	GB	FR	JP

Table 6 – Example coded concept for the basic dose form category ‘Tablet’

code	BDF-0069
value	BDF-0069-EN-GB
translation	BDF-0069-FR-FR BDF-0069-JA-JP



Remember: tablet = BDF-0069

„PROLONGED-RELEASE TABLET“

Coded concept for the pharmaceutical dose (PDF) form 'Prolonged-release tablet'

code	PDF-10226000
value	PDF-10226000-EN-GB
translation	PDF-10226000-FR-FR PDF-10226000-JA-JP

Example coded concept for the release characteristic (RCA) 'Prolonged'

code	RCA-0045
value	RCA-0045-EN-GB
translation	RCA-0045-FR-FR RCA-0045-JA-JP

Example coded concept for the intended site characteristic (ISI) 'Oral'

code	ISI-0031
value	ISI-0031-EN-GB
translation	ISI-0031-FR-FR ISI-0031-JA-JP

Example coded concept for the administration method characteristic (AME) 'Swallowing'

code	AME-0019
value	AME-0019-EN-GB
translation	AME-0019-FR-FR AME-0019-JA-JP

Summary of pharmaceutical dose form 'Prolonged-release tablet' and its attributes

pharmaceutical dose form	PDF-10226000
state of matter	SOM-0097
basic dose form	BDF-0069
release characteristics	RCA-0045
transformation	TRA-0042
intended site	ISI-0031
administration method	AME-0019

} Attributes

Same for State of Matter (SOM), Basic Dose Form (BDF) and Transformation (TRA)

„GLOBAL IDENTIFIER“ (MPID)

The assignment of the MPID is to provide a unique identifier to reliably recognize, monitor and trace the use of Medicinal Products. It also states that the MPID shall be allocated supplementary to any existing authorization number as ascribed by a Medicines Regulatory Agency in a jurisdiction.

GB-12345-7654321
EU-54321-1234567
BE-45678-1234567

Country code

EU = Centralised Procedure product only. All other authorisations (DCP/MRP/NP) are country specific and would have the ISO country code.

Note: Iceland, Norway and Liechtenstein would have separate MPIDs in the Centralised Procedure as they are different authorisations

MAH code

The MAH holder would be the Organisation ID (as per IDMP) but there would be no specific reason why the existing EV Code could not be used, at least as an interim.

Medicinal Product code

This should be different from the EV Code. The code segment does not have to be unique by but in combination with the other parts it must be unique.

The IG states that the Medicinal Product code utilises the following defining attributes:

- Marketing authorisation
- Legal status of supply
- Medicinal Product Name
- Pharmaceutical dose form
- Ingredient substance(s) & strengths
- Devices (for ATMPs)
- Therapeutic indications

A new medicinal product code segment would be generated for each instance of the above.

XEVMPD – LESSONS LEARNED

IDMP – FUTURE VISION

Take a broader view without losing the focus.



Potential IDMP Process Impact



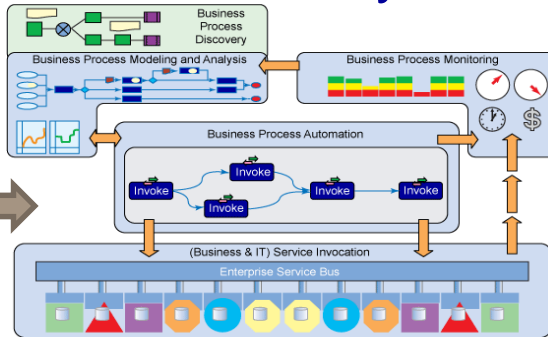
#	Process	Description	IDMP	#	Process	Description	IDMP
1	Pre-Trial	Scientific Advice	?	7	Safety Reporting	Submit ICSRs Maintain PSMF (GVP Inspections) Investigator Initiated Studies/P4	Y
2	CTA/IND	Organization and User Registration New Substance Registration (SID) Submit CTAs and INDs (IMPID) Publish CT Information	Y	8	Manufacturing/CMC	Update BAIDs Update Manufacturing Information GMP Inspections	Y
3	Development	Submit CTA/IND Amendments Submit ATC/INN Requests Provide GCP Information Maintain Trial Master File Submit PIPs/DSURs/PSPs	Y	9	Variations	Submit Variations (Update Clinical Particulars etc) Maintain XEVMPD Information Maintain PACs/FUMs	Y
4	MA Submission	Submit MAA Orphan Drug Designation MAPPs/Breakthrough	Y	10	New Country MAA	Submit MAA in new Country Apply for new MPID, PCID, BAID?	Y
5	MA Review	Maintain current CTD File during Q&A Request MPID and PhPID	Y	11	MAH Transfer	Apply for License transfer (new IDs?)	Y
6	Approval to Launch	Submit XEVMPD Data Request PCID and BAID Linguistic Review/Translate Label	Y	12	Withdrawal	Update Marketing Status of Product (retire IDs?)	Y

THE FUTURE

Data is captured and submitted only once



Structured data for either RA, PcV, clinical, manufacturing information



MAA, variation, Renewal, ICSR, CTA

Agencies			
Austria AT	Belgium BE	Council of Europe EDQM	Croatia HR
Estonia EE	European Commission DGSanco	Finland FI	France FR(Anses)
Hungary HU(NEBIH)	Iceland IS	Ireland IE	Italy IT(AIFA)
Netherlands NL	Norway NO	Poland PL(URPL)	Portugal PT



EUROPEAN MEDICINES AGENCY
SCIENCE MEDICINES HEALTH

DATA WITHIN PHARMACEUTICAL COMPANIES

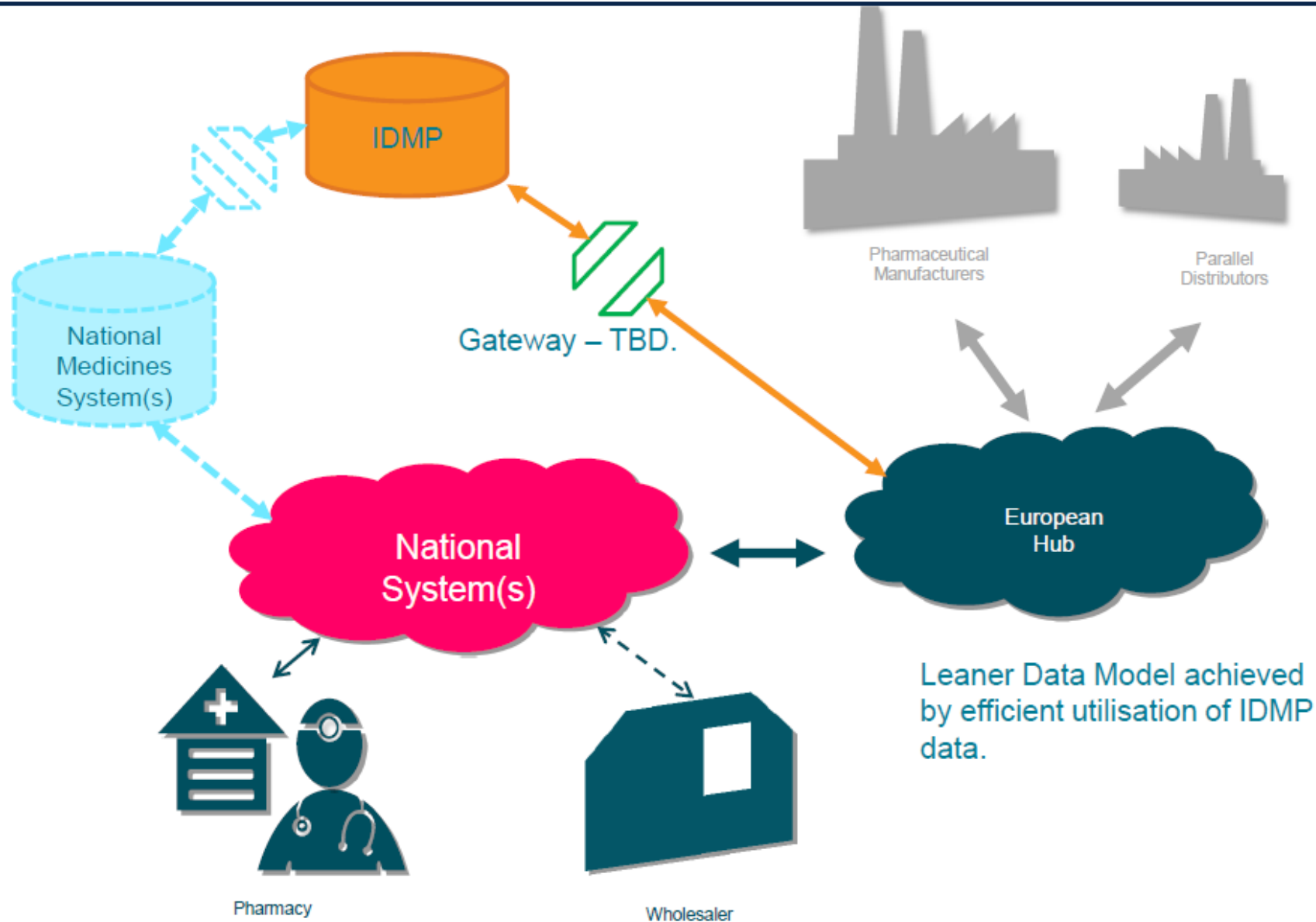
- Data in silos used from different functions (RA, PhV, R&D, manufacturing...)
- Data is available, but might not be structured or the same in different places according to very different business needs (e.g. Packs vs. Formulation/Registration)
- Different environment: SAP, Linux, Windows...



FIRST USE CASE

- On 19 October 2015 the Agency launched a new service to national competent authorities, providing them with **continuous access to key Article 57 data**. National competent authorities can access product details based on the latest version of information submitted for medicinal products with a valid marketing authorisation in the European Economic Area, by creating a new report in the EudraVigilance Data Analysis System (EVDAS).
- The EMA Management Board considered the Article 57 database functionality for notifying changes to the QPPV and PSMF at its [December 2015 Management Board meeting](#). The Board agreed that the database is functional for the purpose of notifications of changes to QPPV and PSMF information and that this **takes effect from 1 February 2016**. From that date **companies no longer need to notify EMA (for centrally authorised products) or national competent authorities (for nationally authorised products) of changes to the QPPV or PSMF data by submitting a type IA_{IN} variation**. No final variation is required to notify an explicit cross reference to Article 57 as the source of QPPV and PSMF information.

EU HUB in the project to fight falsified medicines (FME) (until Feb 2019)



ENDE, END, FIN, EIND, 末端, КОНЕЦ,
FINAL

Thank you for your attention

Any questions?

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