



ADQ Impact on Airspace/IFP

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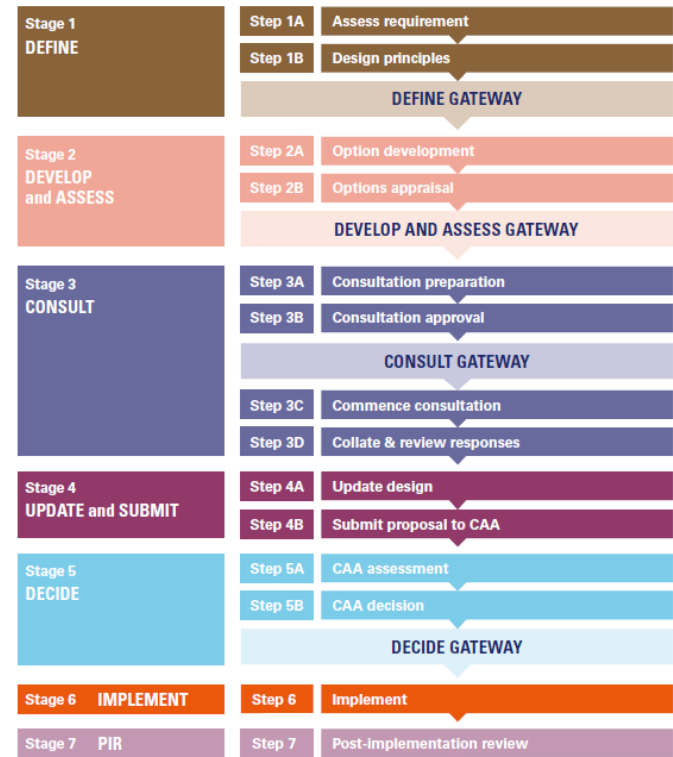
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1. Overall Context – Airspace Change

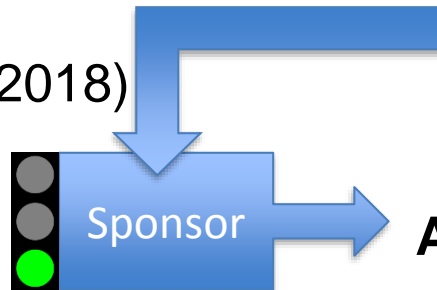
- Change Required...



- CAP 1616 dictating content and process
- New process
- Complete overhaul
- 7 Stages
- Defined gateways to progress
- Levels according type of change.
- New ACP portal
- ADQ embedded (Jan 2018)



- Change Approved...



AIP Change Submission to AIS

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1. Overall Context – Obvious Impacts

ACP Driven



- ALL changes relating to Airspace will go through the CAP 1616 Process.
- ACP Approval **NOT** part of the AIS Data Chain.
- CAA Regulatory Approval given within ACP

ADQ Driven



- Data Originators to meet ALL data requirements for origination, storage transfer etc.
- Adequate QMS to detail ALL processes & work instructions.
- CAA have oversight only of AIP promulgation Process. **No 'Stop/Go'**

▪ New ACP Portal



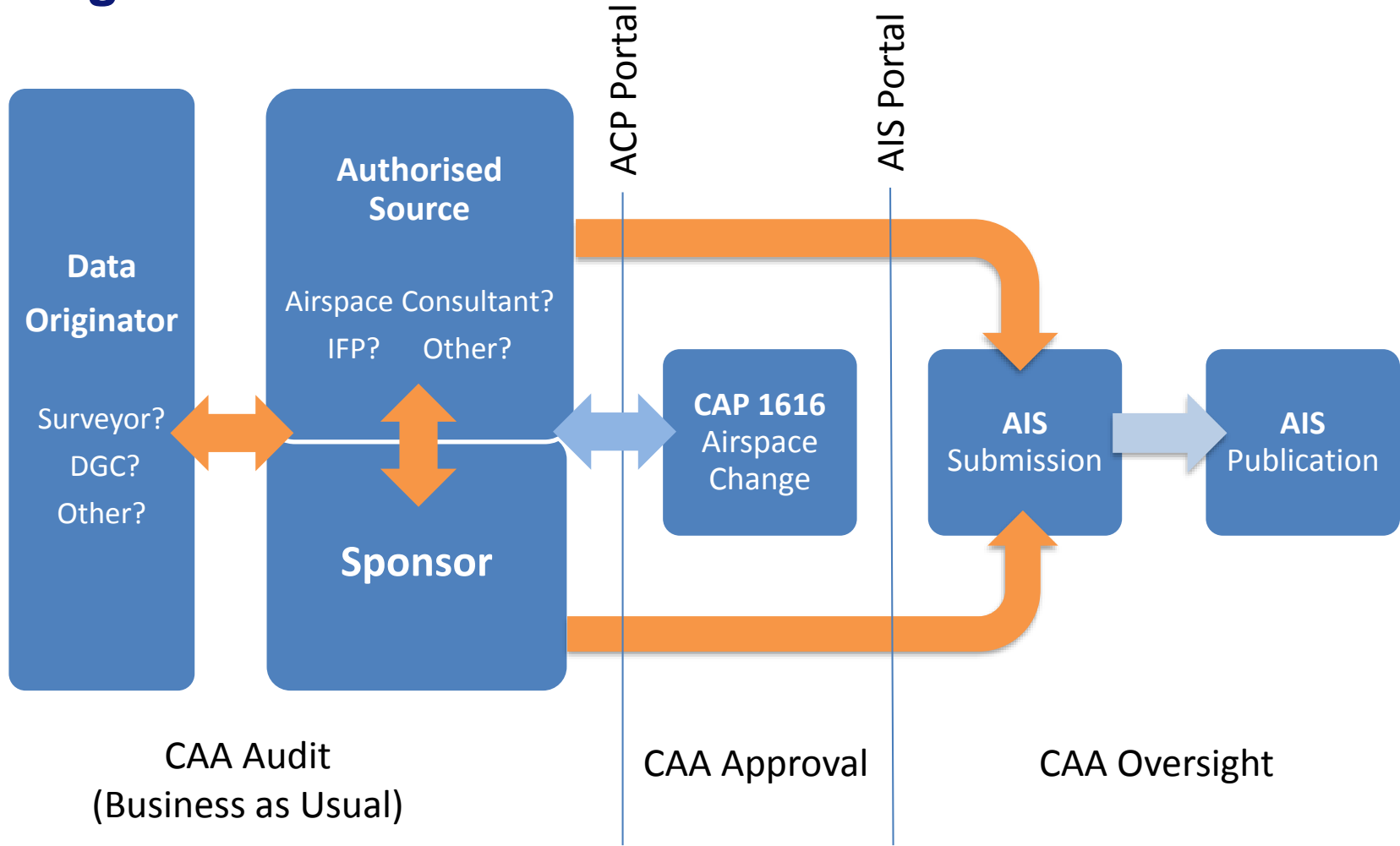
▪ New AIS Portal

▪ CAA guidance, templates etc.

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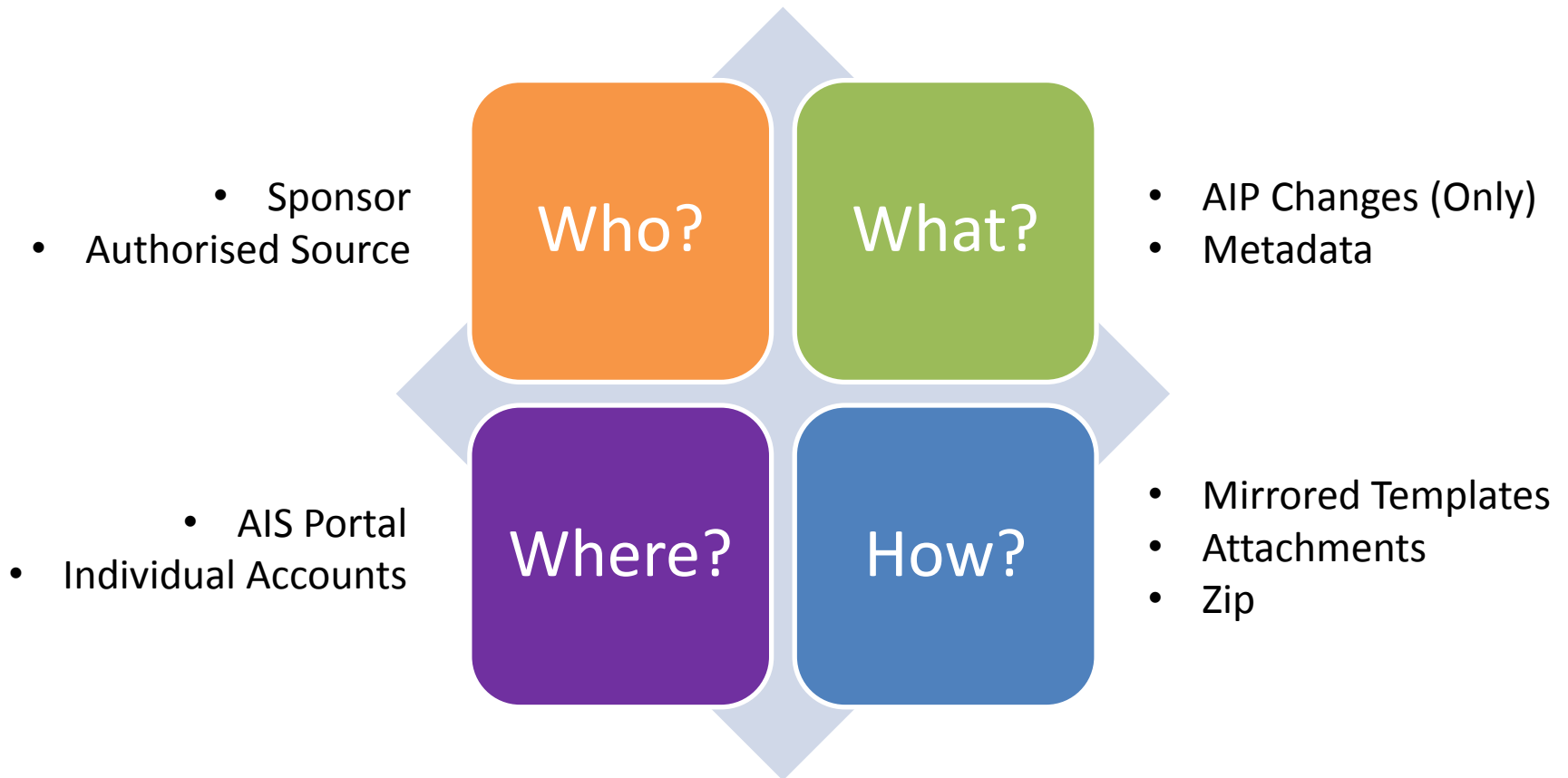
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2. High Level Workflow



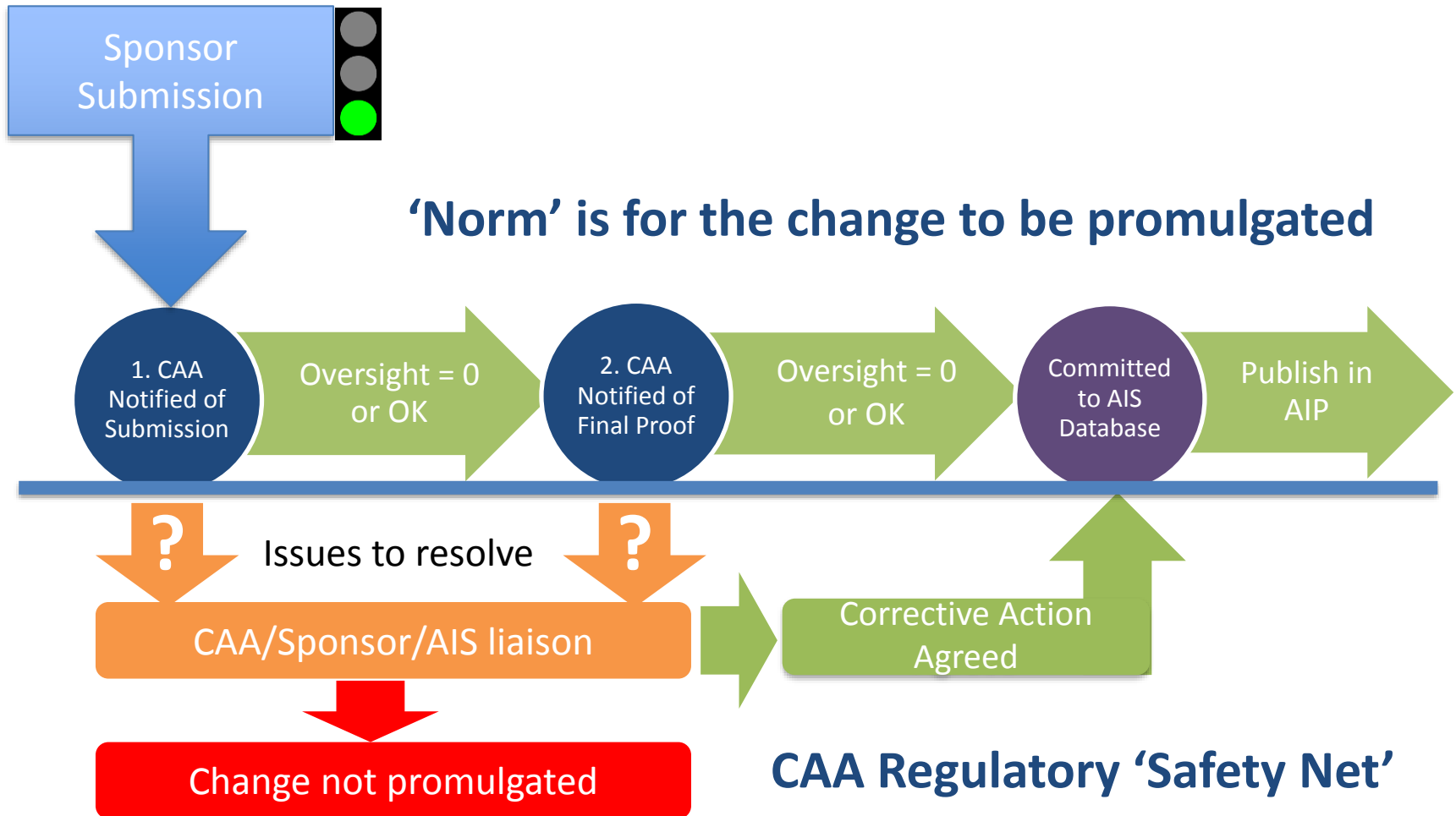
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3. Promulgating Approved Changes – AIP Change Portal



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3. Promulgating Approved Changes – Regulatory Oversight



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4. Metadata - Requirements



Definition - What does *Metadata* mean?

Metadata is data about data. In other words, it is data that is used to describe another item's content.

- What we require - CAP 1054
- It may already be in CAP 1616 Submission, Reports & QMS
- Some new requirements
- How to Submit? - Packaged up in a single document.

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4. Metadata - Example Cover Sheet

	Name of Organisation	Quality Standard Type	Quality Standard Date	Nominated Quality Manager
Organisation				
	Name of Project	ACP Reference No	Sponsor/Authorised Source	CAA Case Officer
Project Details				
	Performed by	Primary Calculation Tool		
Geodetic Calculations				
Submission Version	1	2	3	4
Submission Date	10/01/2018	25/01/2018		
Submission Change Summary	initial submission	lat longs corrected		
Data Standards:	CAP 1616	CAP 1054	Annex 15	
Data Sources Used	AIP	CAP 232 Survey	OS mapping	
Data Source Date	01/01/2017	01/01/2017	01/01/2017	
Data Source Validated	yes	yes	Yes	
	Lateral data ellipsoid	lateral data reference frame	Lateral Distance unit	Route Unit
Lateral Data	WGS84	ETRS89	NM	Degrees True
	Latitudinal/Longitudinal Units	Longitudinal Meridian Suffix	Hemispherical Latitudinal Suffix	
WGS84 Coordinate format	Deg/Min/Sec.ss	E or W Should be Specified	N	
	vertical data	vertical reference frame	vertical data unit	vertical data limit
Vertical Data	AMSL	OSGM02	Combination of FL & Feet	Specified in Spreadsheet
	Temporal baseline	Temporal type		
Temporal Data	Gregorian, UTC	Permanent		
Data retention period	Withdrawal + 5 year			
	Please add any further information relating to the above details			
Additional Notes				

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5. Audit Arrangements

▪ Approved Procedure Design Organisations (APDOs)



- Audit at a period of no more than 24 Months.
- All ADQ Requirements for Data Originator in scope.
- Findings or Observations are against the APDO.

▪ Airspace Consultants



- Brought into Aerodrome Audit process (via FA)
- All ADQ Requirements for Data Originator in scope.
- Findings or Observations are against the Aerodrome.

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6. Data Sources – Obstacles for IFP

UK DVOF Obstacles – ETOD Area 1

- Currently – informal between APDOs and DGC
- In future - Formal arrangement
- DGC Working on Full ADQ Compliance

In Vicinity of UK Licenced Aerodromes with IFPs

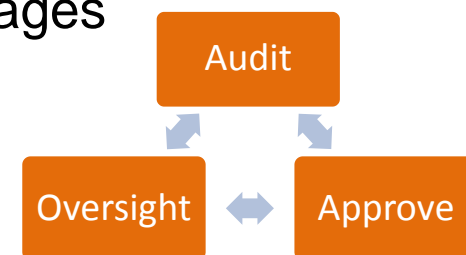
- Currently – Informal between APDO and AD
- In future - Formal arrangement
- ~~CAP 232~~ 'ETOD Plus'
- New criteria impacts the capture element only
- Capture areas are generally more conservative



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7. Summary

- No AIXM means no 'Big Bang' to sponsors
- A lot of the ADQ requirements are already met
- 2 Separate Submission Portals
 - CAP 1616 ACP – Background Data Inc. AIP Changes
 - AIP Changes
- CAA regulatory activity broken down into clear stages



Thanks for your time.

Questions or feedback:

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Lunch?.....