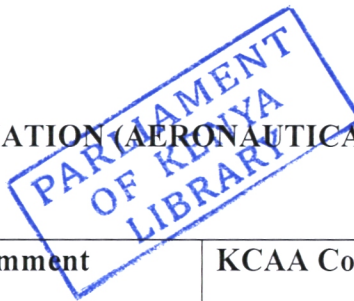


MATRIX ON THE CIVIL AVIATION (AERONAUTICAL INFORMATION SERVICES) REGULATIONS 2022



No.	Regulation No.	Regulation Title	Stakeholder Comment	KCAA Comment	Final Regulation Text	Remarks if any
1	2	Interpretations	“Feature” means abstraction of real world phenomena (ISO 19101*). Delete ISO 19110	Stakeholder comment incorporated	‘Feature’ means abstraction of real world phenomena	ISO 19110 reference deleted
2		Interpretations	‘Feature attribute’ means characteristic of a feature (ISO 19101*). Delete ISO 19110	Stakeholder comment incorporated	Feature attribute’ means characteristic of a feature	ISO 19110 reference deleted
3		Interpretations	“Feature operation” means operation that every instance of a feature type may perform (ISO 19110*). Delete ISO 19110	Stakeholder comment incorporated	“Feature operation” means operation that every instance of a feature type may perform	ISO 19110 reference deleted
4		Interpretations	“Feature relationship” means relationship that links instances of one feature type with instances of the same or a different feature type (ISO 19101*). Delete ISO 19110	Stakeholder comment incorporated	“Feature relationship” means relationship that links instances of one feature type with instances of the same or a different feature type	ISO 19110 reference deleted
5		Interpretations	“Feature type” means class of real world phenomena with common properties (ISO 19110*). Delete ISO 19110	Stakeholder comment incorporated	“Feature type” means class of real world phenomena with common properties	ISO 19110 reference deleted
6			Delete ISO reference in the definitions	Stakeholder comment incorporated		Applicable throughout the document

No.	Regulation No.	Regulation Title	Stakeholder Comment	KCAA Comment	Final Regulation Text	Remarks if any
7	6 (b)	Horizontal reference system	Use WGS-84 rather than having it in full as it is already decoded in 6a) Annex 15 para. 1.2.1.1	Stakeholder comment incorporated	express the published aeronautical geographical coordinates indicating latitude and longitude in terms of the WGS — 1984 geodetic reference datum.	Abbreviation used
8	6(c)		Missing requirement	Stakeholder comment incorporated	(c) model and estimate in precise geodetic applications and some air navigation applications, temporal changes in the tectonic plate motion and tidal effects on the Earth's crust	
9	7(1)	Vertical Reference System	Use Mean Sea Level (MSL) datum as the vertical reference – maintain the bracketing of abbreviation for space saving in subsequent use Annex 15 para. 1.2.1.1	Stakeholder comment incorporated	use the mean sea level (MSL) datum as the vertical reference system for air navigation;	Abbreviation inserted
10	9a)	Miscellaneous Specifications	international distribution for those parts expressed in plain language – Retain bold part to avoid altering the meaning Annex 15 para 1.3.1	Stakeholder comment incorporated	9(a) include English text for those parts expressed in plain language on the Aeronautical information products intended for international distribution.	
11	9 b)	Miscellaneous Specifications	spell the place names (not 'names of place') Annex 15 para. 1.3.2	Stakeholder comment incorporated	(b) spell place names in conformity with local usage, transliterated, when necessary, into the ISO Basic Latin alphabet;	
12	9 c)	Miscellaneous Specifications	...and aeronautical information that is consistent with the tables..... requirement though very nice is a Recommended Practice	Some recommended practices that add value to our services and enhance safety have been incorporated	(c) use the units of measurement in the origination, processing and distribution of aeronautical data and aeronautical information are consistent with the tables contained in Civil Aviation (Units of	Text retained

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					Measurement to be Used in Air and Ground Operations) Regulations	
13	12 (1) a	Exchange of aeronautical data and aeronautical information	Delete “shall be addressed” appearing in the last line Annex 15 para 2.3.1	Stakeholder comment incorporated	(a) designate the office to which all elements of aeronautical information products provided by other States shall be addressed and the office shall be qualified to deal with requests for aeronautical data and aeronautical information provided by other States;	
14	19 (1)	Aeronautical data and aeronautical information validation and verification	An Aeronautical data and aeronautical information provider (strike out use of ‘raw data’)	Stakeholder comment incorporated	19. (1) An aeronautical information data provider shall thoroughly check the material to be issued as part of the aeronautical information products before it is submitted to the aeronautical information service in order to ensure that all necessary information has been included and that it is correct in detail.	Only “raw” has been deleted so as to retain the intended meaning
15	23. (2)	Quality Management System	A service provider shall.....context of the established quality management system (include system) Annex 15 para 3.6.4	Stakeholder comment incorporated	(2) A service provider shall within the context of the established quality management system take actions that guarantee	
16	27	Data origination requirements	New requirement from PANS-AIM Clause 4.1.5	Stakeholder comment incorporated	(5) publish elevation referenced to the MSL (geoid), for the specific surveyed ground positions as well as geoid undulation (referenced to the WGS-84 ellipsoid) for those positions specified in First Schedule	

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17	31	Specifications for aeronautical information publication supplements	Include Clause 6.1.3 requirement from PANS AIM-Doc 10066 for regulation enhancement.	Stakeholder comment incorporated	(9) Publish a new AIP Supplement as a replacement whenever an error occurs in an AIP Supplement or when the period of validity of an AIP Supplement is changed	
18	32	Specifications for Aeronautical Information Circulars	While much is captured from Annex 15 clause 5.2.4, sub clauses 5.2.4.1....., for purpose of enhancing this regulation, following clauses from PANS-AIM shall have been incorporated to enrich content: • Clause 5.2.3.2.1 and • Clause 5.2.3.2.2	Stakeholder comment incorporated	(7) The service provider shall practice differentiation and identification of AIC topics according to subjects using colour coding as follows: a) white — administrative; b) yellow — air traffic control (ATC); c) pink — safety; d) mauve — danger area map; and e) green — maps/charts	Clause 5.2.3.2.1 and 5.2.3.2.2 combined in this subregulation
19	33	Aeronautical Charts	The aeronautical charts listed below shall, when available, be provided as aeronautical information products: a) World Aeronautical Chart — ICAO 1:1 000 000; b) Aeronautical Chart — ICAO 1:500 000; c) Aeronautical Navigation Chart — ICAO Small Scale; and d) Plotting Chart — ICAO chart.	Reference quoted by the stakeholder in regard to this regulation is wrong. Kindly refer to Annex 15 clause 5.2.5.1	(1) The aeronautical charts listed alphabetically below when available for designated international aerodromes or heliports, shall, form part of the Aeronautical Information Publication, or be distributed separately to recipients of the Aeronautical Information Publication: - i). Aerodrome/Heliport Chart — International Civil Aviation Organization; - ii). Aerodrome Ground Movement Chart — International Civil Aviation Organization;	

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			This regulation has included following charts to be provided as aeronautical information product, when avbl : 1. ATC Surveillance Minimum Altitude Chart — International Civil Aviation Organization. 2. Aerodrome Obstacle Chart — International Civil Aviation Organization Type B; What was the intention of this additional inclusions well beyond what the Annex & PANS-expressed? Annex 15 clause 5.2.5.3		iii). Aerodrome Obstacle Chart — International Civil Aviation Organization Type A; iv). Aerodrome Terrain and Obstacle Chart — International Civil Aviation Organization (Electronic); v). Aircraft Parking/Docking Chart — International Civil Aviation Organization; vi). Area Chart — International Civil Aviation Organization; vii). ATC Surveillance Minimum Altitude Chart — International Civil Aviation Organization; viii). Instrument Approach Chart — International Civil Aviation Organization; ix). Precision Approach Terrain Chart — International Civil Aviation Organization; x). Standard Arrival Chart — Instrument (STAR) — International Civil Aviation Organization; xi). Standard Departure Chart — Instrument (SID) — International Civil Aviation Organization; and xii). Visual Approach Chart — International Civil Aviation Organization.	

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20	41	distribution services	Enhancement of Sub Regulation (1) Aeronautical Information Products shall be made available on the most expeditious means. What if a service provider has internet service as one way of providing aeronautical information products whenever practicable - can Clause 5.4.1.3-Annex 15 be captured?	The sub regulation is very clear on distribution. If internet service is the most expeditious, the service provider is free to use the same	(1) Aeronautical Information Products shall be made available on the most expeditious means.	Content retained as it was earlier.
21	47	Aeronautical Information publication Updates	Enhance this Regulation with following Clauses from PANS-AIM (Doc 10066), namely: • 6.1.2.1 • 6.1.2.2 • 6.1.2.3	Stakeholder comment incorporated	(4) Specify the AIP Amendment regular interval in the AIP, Part 1 — General (GEN); (5) originate and distribute by NOTAM checklist a NIL notification when an AIP Amendment will not be published at the established interval or publication date; (6) recourse to a minimum hand amendments or annotations.	
22	48(1)	Notice to airmen (NOTAM)	Trigger NOTAM Enhance this sub regulation with following Clauses from PANS-AIM (Doc 10066). Part of Critical information on Trigger NOTAM omitted.	Stakeholder comment incorporated	48. A service provider shall: - (1) originate a Trigger Notice to Airmen (NOTAM) when an Aeronautical Information Publication Amendment or an Aeronautical Information Publication Supplement is published in accordance with Aeronautical Information Regulation	

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			• 6.1.4.7.1 • 6.1.4.7.2 • 6.1.4.7.3 • 6.1.4.7.4		and Control procedures. The Trigger NOTAM shall: a) come into force on the same effective date and time as the amendment or supplement and shall remain valid in the pre-flight information bulletin for a period of fourteen days. b) remain valid for a period of fourteen days in the case of an AIP Supplement, c) remain valid for the complete validity period of the AIP Supplement in the case of an AIP Supplement that is valid for less than fourteen days, d) remain valid for at least fourteen days in the case of an AIP Supplement that is valid for fourteen days or more;	