actical air vehicle nission plans, front ne aircrew use iatellite imagery products to view letailed layout of sultural features, such is woodland and juildings, and, where ivailable, of the precise dispositions of in enemy.		Demonstration; Operational Evaluation	SWG)			MrSID, GeoTIFF, JPEG. Inzpire has powerful geo-systems extensively in service (DIGIMAP, AMMWAS) and NITFS is not currently present because sample data has not been provided.
To ensure data validity veriods are adhered to or are not unknowingly vxceeded, in addition o allowing the operator to understand he impact on planning of data currency.	DGC	Analysis; Inspection; Demonstration; Operational Evaluation			Non Compliant	The GECO Puma MSS is capable of providing this functionality as part of a future funded software upgrade. However, provision of this functionality is not currently costed within this proposal.
Nows rapid access to nformation and eatures not provided n other products.	JHC	Analysis; Inspection; Demonstration; Operational Evaluation		Y (Tide tables, silk cut Almanec)	Threshold	GECO Puma MSS will partially comply with this in providing - Towns, villages and postcodes if made available by the MoD. GECO has a powerful import, search and display capability. More extensive options could be offered as part of an upgrade programme
	DGC	Analysis; Inspection; Demonstration; Operational Evaluation		Y (Polar Grids, Others, grids)	Threshold	GECO Puma MSS is compliant with this as demonstrated on a number of Inzpire geo products on MoD contracts (DIGIMAP, AMMWAS etc) that hosts the MoD relevant formats provided by DGC and AIDU.
	DGC	Analysis; Inspection; Demonstration; Operational Evaluation	Y		Threshold	GECO Puma MSS provides these coordinate reference systems. These are evident across inxpire's products used in MoD training and on operations for many years (DIGIMAP, AMIMWAS).

	DGC	Analysis; Inspection; Demonstration; Operational Evaluation	Y		Y (Grid)	Threshold	GECO Puma MSS is compliant with the requirement to import and manage magnetic, true and Grid North using the WMM iaw GSGS 5997	
n addition to DVOF normation organisat y DOC Lasir requires billin to codere with osnuclione rick colucted within the colucted within the	3HC							

Up-to-date, worldwide mission planning can take place on the MSS without recourse to checking separate meteorological products.	UKMO	2		1 1	20.000		
	UKMO	Analysis; inspection; Test	SWG			information for display in accordance with the data supplied during the bid process.	
						ECC Bima MSS will import and best maleovalopical	
DVOF either because they are new/have been omitted, or they fall outside the DVOF criteria but are required for operations (in particular LvI A and B NVD operations).							

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products.				 		Res R		
Up-to-date, worldwide mission planning can take place on the MSS without recourse to checking separate meteorological products.	UKMO	Analysis; Inspection; Test			¥			
Up-to-date, worldwide mission planning can take place on the MSS without recourse to checking separate meteorological products.	UKMO	Analysis; Inspection; Test				Non Compliant	The GECO Puma MSS is capable of providing this functionality as part of a future funded software upgrade. However, provision of this functionality is not currently costed within this proposal	
Met Office data may not always be available or conditions may be known to be different to met office data	JHC	Analysis; Inspection; Test	Ŷ			Threshold	GECO Puma MSS will allow manual met data to be inputted for MSS calculations in case the network is not providing it (or non-network). This will be through the provision of Wind, temp and Pressure data to feed the performance model	
It is mandated by MOD that AIDU documents have primacy in mil flying ops, unless explicitly stated within an aircraft's release to service.	AIDU	Analysis; Inspection; Demonstration; Operational Evaluation	Ŷ			Threshold	GECO Puma MSS provides the threshold capability. Inzpire already hosts all of the AIDU data within mature fielded systems using MiIFLIP or optical media (whichever is preferred). Inzpire could have provided Objective status if AIDU provided a link into the network	Province Operation
Up-to-clause, workthwise, mission pairming cool of the addition of the AMSS without reporters to the photoing a separate paraboory NOTAM met.	Ops LF Son/ALIS/NATS							

nap. In the absence of vetwork connections or hard media the user an manually input vOTAMs	Ops LF Sqn/AUS/NATS	Analysis; Inspection; Demonstration; Operational Evaluation	Y				
Declutter of irrelevant IOTAM is possible so is to reduce workload ind possible iverwriting of mportant information.	Ops LF Sqn/AUS/NATS	Analysis; Inspection; Demonstration; Operational Evaluation			Y	Threshold	GECO Puma MSS will allow NOTAMs to be filtered to ensure the time and geographic relevant NOTAMs are viewed for planning purposes.
Declutter of NOTAM is juickly possible so as o reduce possible werwriting of mportant information.	Ops LF SqrvAUS/NATS	Analysis; Inspection; Demonstration; Operational Evaluation	Y			Threshold	GECO Puma MSS will allow the NOTAM layer to be turned on and off dependent on the phase of planning, ensuring the right level of information assimilation is achieved during the planning process.
n addition to centrally red products local irea information (such is avoids and fields) ieeds to be used on ne MSS. n addition to DVOF	JHC	Analysis; Inspection; Demonstration; Operational Evaluation	Y (NON- MIDDLE WARE / SLI)	з	Y (MIDDLEW ARE OR SLI IN PLACE)	Threshold	The architecture of the Systems allows an individual Mission pack (equivalent to user information) that allows individual creation, update and display of MSS information such as avoids, obstruction databases etc. The master dataset remains protected under administrative user access rights.
n addition to centrally eld products local irea information (such is avoids and fields) eeds to be used on ne MSS. n addition to DVOF nformation provided y DGC, User requires ibility to update bistructions not neluded within the XVOF either because ney are new/have een omitted, or they all outside the DVOF riteria but are equired for operations).	JHC	Analysis; Inspection; Demonstration; Operational Evaluation	Y (NON- MIDDLE WARE / SLI)		Y (MIDDLEW ARE OR SLI IN PLACE)	Threshold	The architecture of the Systems allows an individual Mission pack (equivalent to user information) that allows individual creation, update and display of MSS information such as avoids, obstruction databases etc. The master dataset remains protected under administrative user access rights.

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Safe and effective conduct of air platform combat and training missions depends on an accurate understanding of the tactical situation.	JHC	Analysis; Inspection; Demonstration; Operational Evaluation		Y			Threshold	GECO Puma MSS provides threshold capability using a capability that does not limit the number or type of tactical mark ups from the APP-6a set type. In-built to GECO is a tactical mark-up creator and edit functionality and dataset management.	
							Threshold	The creation deletion reposition of factical mark-ups is	
Sate and effective conduct of air platform combat and training missions depends on an accurate understanding of the		Analysis; Inspection; Demonstration; Operational Evaluation		Ŷ			THESTOR	available. This can be positioned through coordinate data entry or on-screen point and click type positioning.	
tactical situation. Safe and effective conduct of air platform combat and training	JHC	Analysis; Inspection; Demonstration; Operational Evaluation	K	Y		Y (MIDDLEW ARE / SLI)	Threshold	The GECO MPS shall allow tactical mark-ups to be exchanged between similar MPS across the LAN and WAN if the WAN is available.	Passifiell Trreshold / Objective

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actical situation.							and and		
	<b>ЈНС</b>	Analysis; Inspection; Demonstration; Operational Evaluation	Y					Threshold	Full functionality to select and save any number of tactical mark ups across all types is provided. These can be synchronised between MPS and MMS at ease.
	ЈНС	Analysis; Inspection; Demonstration; Operational Evaluation	SWG				in part per control of the period of the control of the period of the pe	Threshold	GECO Puma MSS is unlimited in its ability to provide symbology in a style that supports an style for 'current' as well as 'planned' activity. This is evident already in all Inzpire products where line style, thickness etc are widely available for displayable entities.
· · · · · · · · · · · · · · · · · · ·	JHC	Analysis; Inspection; Demonstration; Operational Evaluation	SWG					Threshold	The Tactical mark-up system present in GECO Puma MSS allows all Tactical mark ups to have an equipment identity tag of the user's choice (extremely flexible). This can be from a standardised set e.g. JHC MRCs or as required by the APHs. Notes can also be attributed to the tactical mark-up.
	JHC	Analysis; Inspection; Demonstration; Operational Evaluation	LAN (SWG)			WAN		Threshold	GECO Purna MSS allows all data associated with the tactical mark up (Symbol, equipment tag and notes) to be shared throughout the WAN and LAN.
	ЭНС	Analysis; Inspection; Demonstration; Operational Evaluation	Y			-		Threshold	GECO Puma MSS provides a database and visualisation of user configurable threat systems (and their associated parameters such as Max Range, aspect-based range and intervisibility for a configurable height). This is displayed in full 2D and 3D views.
	JHC	Analysis; Inspection; Demonstration; Operational Evaluation	Ŷ					Threshold	GECO Puma MSS will alert the User if a route is planned to fly within range of a threat system according to the alert criteria set.

requisite for all air- space Users. All relevant information has to be displayed on the MSS if compliant route plans are to be developed. The tempo of modern operations requires that changes may be made during the conduct of operations and may be promulgated outside of the ACO/ATO messaging process e.g. by voice.								
The tempo of modern operations requires that changes may be made during the conduct of operations and may be promulgated outside of the ACO/ATO messaging process e.g. by voice. Allows development of Training scenarios.	JHC	Analysis; Inspection; Demonstration; Operational Evaluation		Ŷ			Threshold	Manual entry of ACMs can be created and amended to provide the information when electronic import is not available (and any other time when desired). Manual NOTAMS are handled in a similar way.
To allow manually created ACMs to be shared	JHC	Analysis; Inspection; Demonstration; Operational Evaluation		Ŷ			Threshold	Manually created ACM information will be shared across the WAN and LAN.
Minimise display clutter and transfer requirements to what is required	JHC	Analysis; Inspection; Demonstration; Operational Evaluation				Y (MIDDLEAR E / SLI)	Threshold	GECO Purna MSS will allow the filtering of displayed and transferred items in terms of time, space and vertical relevance (altitude and height).
Operational Effectiveness Situational Awareness	JHC	Analysis; Inspection; Demonstration; Operational Evaluation	2				Non Compliant	The GECO Puma MSS is capable of providing this functionality as part of a future funded software upgrade. However, provision of this functionality is not currently costed within this proposal
Operational Effectiveness Situational Awareness	JHC	Analysis; Inspection; Demonstration; Operational Evaluation	N AND AND AND AND AND AND AND AND AND AN				Non Compliant	The GECO Puma MSS is capable of providing this functionality as part of a future funded software upgrade. However, provision of this functionality is not currently costed within this proposal

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			SRD Priority URD Priority		Remarks	Bidder's Statement of Compliance	Bidder's Statement of Compliance: A narrative supporting statement is required sgainst each detailed system requirement. This statement will provide justification and assurance for the level of compliance detailed.	Scoring
e ability to rapidly vap between scales important as ferent phases of the ute will be derived at ferent level of tails. E.g. transit to lease point will sically be conducted ing a 1:500k or 250k map whilst the ctical route will pically use 1:50k aps.	JHC	Analysis; Inspection; Demonstration; Operational Evaluation						
urces of features corporated during a planning process ay not have been oo-located using the rne datum and ordinate System di it is useful for the ser to be able to ter such features in a native coordinates, th the MSS handling ibsequent microsoft to a promon datum and pordinate System.	JHC	Analysis; Inspection; Demonstration; Operational Evaluation	Y			Threshold	GECO Puma MSS has the ability across the MPS and MMS to instantly switch between different coordinate types and grid reference systems. This is for readout as well as data entry and it provides instantaneous conversion.	
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lessessed if required	1	1			1	 1	ALL AND A CONTRACT OF A DECK	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	[hear 1994] S. M. S. M. 1998 - 이번에 드 스키워드, 지수는 [	the stand they
Given the planned task within the mission, the crew should be able to select the most appropriate scale of chart for that task (e.g. one should not plan an IP to Tgt task on a 1:1M map).	JHC	Analysis; Inspection; Demonstration; Operational Evaluation		Y				Threshold	GECO Puma MSS provides all of the listed map scales required as well as higher and lower scales as well. These can be automatically transitioned as the User zooms in and out to provide a sensible map scale for the zoom level. A map scale can also be manually selected by the User.	
At any time, crews should be able to check the features on the products they view to ensure no ambiguity occurs during the planning process.	JHC	Analysis; Inspection; Demonstration; Operational Evaluation						Non Compliant	The GECO Puma MSS is capable of providing this functionality as part of a future funded software upgrade. However, provision of this functionality is not currently costed within this proposal	
It is important to distinguish between the ability to zoom in or out on the currently selected backdrop, without a change of chart type occurring, as opposed to a change of scale when a different chart type may be appropriate. In addition, excessive time taken will interrupt the planning process where frequent changes of scale, appropriate to the phase of planning (e.g. route planning vs attack planning) are required.	JHC	Analysis; Inspection; Demonstration; Operational Evaluation		Y				Threshold	The automatics of the GECO Puma MSS is configurable to meet a user's requirement and these settings are within system capabilities. The automatics can be invoked or a specific map scale chosen for specific zoom without change including bringing it up at 1x zoom.	
This ensures that the User does not repetitively request the same action unnecessarily with potentially undesired.	JHC	Analysis; Inspection; Demonstration; Operational Evaluation		Y				Threshold	GECO provides near instant feedback confirming a key press through a key selection tell back within 0.5 second.	
This allows the crew to view the route in the most appropriate way for the mission.	JHC	Analysis; Inspection; Demonstration; Operational Evaluation	K	Ŷ				Threshold	GECO Puma MSS can provide a variety of map orientations including North Up, Manual orientation (with Compass orientation display) and route leg up.	Part of the second seco

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This allows the crew to view the route in the most appropriate way for the mission.	JHC	Analysis; Inspection; Demonstration; Operational Evaluation		Y			Threshold	A change of mapping type and scales preserves the map centric point on the display.	Preserver
The small size of computer screens relative to traditional paper maps, represents one of the disadvantages of using a computerised	JHC	Analysis; Inspection; Demonstration; Operational Evaluation		Y			Threshold	GECO has the ability to rapidly centre the display by a variety of means including through coordinate entry, select an entity (touchscreen or mouse) and centre, touch the screen and enter, mouse click the screen and centre and centre via a search through any geo-located data entity within the database.	
MSS. In consequence, the ability to be able to manipulate maps rapidly and intuitively is a key requirement when using a MSS.							5181 - 1986 1977 - 1978 1977 - 1978		
				-					
MSS calculations will, at the threshold, provide a cross check of aircrew calculations, and at the objective	JHC	Analysis; Inspection; Test		Y			Threshold	GECO Purna MSS has a standard scientific calculator to perform any mathematical calculations as part of the in-built operating system.	

Manually assessing safety attitude is a lengthy and difficult process, especially if crews misidentify the relevant obstacle to a leg.	ЭНС	Analysis; Inspection; Demonstration; Operational Evaluation	Y		Threshold	GECO Puma MSS environment has a powerful DTED and DVOF environment to provide automatic calculation of safety altitude for each leg which can be displayed in the HATF box and on the nav card. The ability to enter the automatic calculated figure or enter a manual figure is available.	
Manually assessing minimum transit altitude is a lengthy and difficult process, especially if crews misidentify the relevant obstacle to a leg.	JHC	Analysis; Inspection; Demonstration; Operational Evaluation	•		Threshold	Minimum transit altitudes (MSQFL, MSFL) are automatically calculated by the system using DTED and DVOF databases, which are fundamental components of GECO. These need accepting by the user on a leg by leg basis and it has an option to enter a manual calculation (displayable in the HATF box).	
Manually assessing MSH is a lengthy and difficult process, especially if crews misidentify the relevant obstacle to a leg. JHC FOB	ЛС	Analysis; Inspection; Demonstration; Operational Evaluation	Y		Threshold	IGECO will generate MSHs for NVD tiying using DTED and DVOF databases for the relevant areas. These need checking as acceptable by the user on a leg by leg basis and it also has an option to enter a manual calculation (displayable in the HATF box).	

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route trajectory or to refuel en route.								the MPS and MMS UI with ease.
This capability will inform the User of the viability of the current route and whether action needs to be taken to amend the route trajectory or to refuel en route.	JHC	Analysis; Inspection; Demonstration; Operational Evaluation	Ŷ				Threshold	GECO Puma MSS provides automatic alerts to show if the planned fuel is not sufficient to complete the mission planned with the platform configuration. This will not prevent the plan to continue being progressed.
This capability will inform the User of the viability of the current route and whether action needs to be taken to amend the route trajectory or to refuel en route.	JHC	Analysis; Inspection; Demonstration; Operational Evaluation	Y				Threshold	GECO has the ability to provide refuelling points and upload the defined fuel amounts and incorporate into all performance and fuel calculations.
The will provide crews (specifically planning formation sorties) the ability to identify their fuel usage.	JHC	Analysis; Inspection; Demonstration; Operational Evaluation	Ŷ				Threshold	Bingo fuels are automatically calculated along the route that are displayed at each turning point (waypoint).
On long legs/sorties (especially over either pcean or remote land areas, where SAR coverage is sparse) it s vital that the crew	JHC	Analysis; Inspection; Demonstration; Operational Evaluation	SWG				Threshold	GECO Purna MSS will calculate PNR and CP for a leg or the whole route using the planning data and atmospherics (winds etc) available from the MSS.
The generation of detailed route information, including iming, allows confirmation of the easibility of the plan and is of fundamental mportance to the aircrew during the aircrew durin	IHC	Analysis; Inspection; Demonstration; Operational Evaluation	Y				Threshold	GECO Puma MSS will provide all timings relevant to routes ETA/ETD based on TAS or Ground Speed with wind factored into the calculations. Objective will be provided if GRIB data is provided as GFI
ns capability is lecessary to develop o-ordinated plans with respect to pre lanned time-on-target r take-off times.	JHC	Analysis; inspection; Demonstration; Operational Evaluation	Ŧ		•			allow an unlimited number of fixed / reference timing combinations tied to navigation points. Everything is automatically calculated and options exist to fix timings by adjusting speed too.