Future Airspace Strategy Implementation (FASI)

London Terminal Manoeuvring Area (LTMA)

Airspace Change Proposal (ACP)
ACP-2020-043
ACP-2020-044
ACP-2020-045

Stage 2 Develop and Assess Engagement Feedback Responses (Redacted)

To be read in conjunction with Master Document



This document is the raw, but redacted, record of the Stage 2 engagement carried out for the LTMA ACPs. It is an export of a Microsoft Forms document:

Pages 2 and 3 should be considered together as a continuous set of columns, with page 3 to the right of page 2.

Pages 4 and 5 are the next rows, organised in the same way.

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Page 4	Page 5

Row IDs 1-6 were form set-up and test responses which have been removed, hence the first row is ID number 7.

LAMP Stage 2 Feedback Responses (Redacted)													ACP-2020-043/044/04
ID Start time Completion time Email	Did you attend a briefing?	Which organisation do you represent?	Option 1: Highly Systemised	Option 2: Hybrid Systemised	Option 3: Do Minimum	Option 4: Direct Route Airspace	Option 5: Free Route Airspace	Do you consider there to be any alternative network If yes, please describe Bi options? Hi	ggin Please leave your comments relating to Biggin mo		Farnbor Please leave your comments relating to Farnborough, ough here.		
7 10/9/22 18:42:53 10/9/22 19:24:43 anonymous	Yes		For the avionics Flight Management System	ATCO intervention based on previous option	s There is room for improvement	May be a solution combined with Option 2 or	May be difficult to apply in London airspace	No No	D No		No No	No	No
		Ops dpt	(FMS), automation and fuel predictions, best option. More fuel used, this is the consequence	a good trade-off for greener operations		in low traffic density							
8 10/13/22 15:27:21 10/13/22 15:48:08 anonymous	Yes	London Luton Airport Operations Ltd	LLAOL like this option as it provides predictability for airlines flight planning and	LLAOL like this option as it provides predictability for airlines flight planning and		LLA does not support the direct route airspace for use in the London TMA, as there would		No No	D No		No	No	Yes
		Operations Ltd	fuel usage. It also provides predictability for arrival and departure times at LLA for	fuel usage. It also provides predictability for arrival and departure times at LLA for	long periods due to inefficiencies in the upper	likely be environmental impacts as this looks t take up a large amount of airspace for each	type of airspace structure which could cause						
				scheduling and those areas overflown between 7,000-12,000ft where noise is still	or carbon emissions.	airfield to have direct routes to the UK airspac boundary.	e						
			heard allows a predictable route. However, LL/ recognises that there may not be enough space for all routes to be PBN and therefore	this option to Option 1 as it creates a balance									
			stepped approaches or departures which is	shorter routes should the airspace be clearer (such as the night time).									
			not preferred.										
9 10/17/22 13:57:03 17/10/2022 anonymous 14:22:09	Yes	London City Airport	I don't feel competent to say which design option is optimal.	I don't feel competent to say which design option is optimal.	I don't feel competent to say which design option is optimal.	I don't feel competent to say which design option is optimal.	I don't feel competent to say which design option is optimal.	No Ye	es Deconfliction with LCY arrivals is important to ensure capacity isn't constrained		No	No	Yes
Includes email received 27.10.2022													
10 10/19/22 9:19:58 10/19/22 10:46:18 anonymous	Yes	Gatwick Airport Limited	with the AMS Outcomes, namely leveraging	may provide a good balance between highly	Gatwick believes that pursuing this option would deliver limited benefit compared to the	together with the Hybrid Systemised and som	design and development of concept is	No Ye	es Biggin Hill arrival options to the south will interact with Gatwick's arrival and departure	We are most concerned with designs to the east and north east. Providing these are	No	Yes E	Detailed reviews and engagement re Gatwick's Yes options was conducted in September and
			technological developments to improve efficiency and performance, allowing ATC resource to focus on management by	efficient / highly systemised design and a mor flexible arrangement allowing delivery of outcomes that would otherwise not be		forms of Free Route Airspace, this option fits best with the objectives of the AMS and with Gatwick's own design principles - safety and	with Gatwick's own design principle of		routes to the north and east	designed so as to minimise interactions with Gatwick's arrival and westerly / south westerly departures, we do not anticipate other issues.			nuch of our feedback was captured there. We lighlight again the potential for arrival options o the west and north of Gatwick, providing
			exception, thus by extension, enhancing the overall system resilience to disruption.	possible in the highly systemised design (environmental, access or disruption	airspace, we will hit the limit of capacity in this decade, therefore retaining the existing	deconfliction by design. We note however a potential problem with	the navigation) and it does provide a very flexible option in terms of adaptability and			departures, we do not unterpute other bates.		Č	other aerodrome and TMA designs allow this.
			The option also aligns well with Gatwick's own FASI plans, namely our design principles of	The option also aligns well enough with	structure, without a major overhaul, would no resolve this problem.	provide all the DCTs required by airport	resilience (e.g. weather avoidance). However, without further development and						
			safety and deconfliction by design and use of enhanced navigation standards. Potential downside to this option is that it may	design principles of safety and deconfliction b	у	GA operators, without advanced PBN standards (which brings risks and limitations of	enhancements, we do not see how it would deliver on predictability, safety or deconflictio f by design. Also, depending on altitude	n					
			become too rigid and therefore may limit capacity and resilience in certain situations	standards. Also, the downside mentioned previously			limitations of free route airspace, this option may deliver negative outcomes in terms of						
			(especially those that it was not designed to handle).	addressed (at least partially).			noise impacts to communities.						
11 10/21/22 8:33:56 10/21/22 9:07:57 anonymous	Yes	RAF Northolt ACP	Whilst systemisation is supported as a general	A hybrid system should provide a level of	Do minimum would allow airports to update	A challenge with the complex nature of	This would potentially benefit operators in	No No	D No		No	No	Yes
			operate in an expeditious manner. A highly		their initial departures and arrivals however, further benefits would not be achieved.	airspace especially over the south of England.	terms of efficiencies in flight times and distances.						
			systemised approach may lack the flexibility required to enable the most efficient use of the airspace.	available.									
12 10/24/22 12:02:36 10/24/22 12:05:23 anonymous	Yes	Loganair	Probably our preference	Probably the reality!	No	Would need to see detailed designs	No view as still learning about FRA in practical	No No	D No		No	No	No
13 10/24/22 14:39:34 10/24/22 14:48:15 anonymous	Yes	EGKB	No Comment	No Comment	No Comment	No Comment	application at Loganair No Comment	Yes All possible options should be explored. The	es All route options still being considered. No		Yes Looking for a low and medium level route	Yes F	rull engagement required.
14 10/24/22 20:31:10 10/24/22 20:41:12 anonymous	Yes	Boeing	I am generally in favour of using PBN where	Same general opinion as Option 1, I am	Least favoured ontion, does not allow much	Second least favoured option. Offers a fixed	Could be implemented in specific areas. The	current options are too indistinct for specific comments to be made.	n No		No.	No	Yes
10/14/11 10:31:10	10	BOCKING .	possible. I appreciate that PBN can give predictability and allow separation and	generally in favour of PBN airspace where possible.	room for future traffic growth and under- utilizes capabilities of air fleets operating in UK	airspace without the operational benefits of	more complex and congested the airspace I believe the harder it would be to implement.						
			efficiency through design rather than relying on the human-in-the-loop to tactically achieve operational efficiency. Also opens the door		airspace.		Could definitely be coupled with TBO for en route airspace for positive benefits.						
			for other PBN-based airspace structures and operations at the airport level by requiring										
			aircraft performance at the sequencing level.										
15 10/25/22 10:53:07 10/25/22 11:09:09 anonymous	No	AOPA	Difficult to see how non jet aircraft / airliner type flights will be accommodated	Difficult to see how non jet aircraft / airliner type flights will be accommodated	Doing the minimum may not meet the Governments directions on environmental	Difficult to see how non jet aircraft / airliner type flights will be accommodated	FRA is unlikely happen below a certain level , GA jet traffic need to be accommodated but	No No	D No		No	No	No
			-778	7,7	impact	7,7	understand that speed can be an issue ie average cruise speeds which can impact						
							capacity what are the plans to deal with slower non CAT traffic						

16 10/25/22 17:16:45 25/10/2022 anonymous 17:30:45 Includes email	res	Airspace4Aii Services Ltd	Would be ideal but practicalities and the need for resilience in degraded situations may make it impracticable or unsafe in such	Likely workable option	Does not meet the requirement	No opinion	Yes where practicable within the crowded are under consideration	a INO YE	Yes We have a collective view on minor airports which we will send separately - with this feedback if the system allows otherwise by	We have a collective view on minor airports which we will send separately - with this feedback if the system allows otherwise by	Yes We have a collective view on minor airports which we will send separately - with this feedback if the system allows otherwise by separate document	NO	NO
received 27.10.2022			circumstances.						separate document	separate document			
17 10/26/22 9:15:14 10/26/22 9:29:51 anonymous	Yes	Manston Airport	Ideal scenario to minimise ATC intervention but likely to require more airspace than is available in the UK/MTMA area, hence	Most practical (and likely) solution. Favoured solution, particularly at lower (but above 7,00 ft) altitudes. maybe some compromise on	Would probably suit Manston Airport due to the minimal changes required.		Does not look practical or feasible due to the limited airspace available. Could be difficult to manage, especially at lower levels.		No No		No	No	No
			impractical. Suggest unlikely to achieve multiple DPs, especially DP2.	environmental DPs.		manage, especially at lower revers.	manage, especially at lower severs.						
18 10/28/22 8:44:36 10/28/22 8:54:36 anonymous	No	London Southend Airport	Desirable perhaps when away from airport and in en-route structure. But lose flexibility when	Preferred option as offers tactical options	No comment	Easier for flight planning but may not work in	Desirable but difficult to implement	No Yes	es Arrival structures from the East would No		No No	No	No
			in en-route structure. But lose flexibility when near airports.	which hear air pufts.		practice.			potentially conflict with Southend Traffic as well as EGLC				
19 10/28/22 10:27:05 10/28/22 11:03:34 anonymous	Yes	BGA (British Gliding Association)	- likely to be inefficient for airspace required? Less compatible with DP5 and 6. Extra airspace	- most likely to be compatible with BGA	 unlikely to achieve DP5 (minimising volume o controlled airspace) so BGA would be 	f - BGA would be concerned if this would require 'blanket' CAS - even if only at high	- BGA would be concerned if this would require 'blanket' CAS - even if only at high	Yes Definition of DRA or FRA above a particular level (32,000?) would alleviate some of the	es Biggin Hill (2019) - traffic demand is low (8600 Yes	Bournemouth - traffic demand is very low (6300 per year is an overall average of 0.7	Yes Farnborough has recently acquired significant lower airspace. This ACP should take the opportunity to present		Satwick - conclusions suggest that any new Yes
		ASSOCIATION	and/or restrictions would be disbenefit for BGA.	requirements.	disadvantaged.	level. Having access to airspace above 7000' in known good soaring locations is an important	level. Having access to airspace above 7000' in known good soaring locations is an important		hour). Any network supporting structure should be proportionate to this level of traffic.	arrivals per hour). Any network supporting structure should be proportionate to this level	traffic into the airfield more efficiently in order to reduce the complex and inefficient network of lower airspace		CAS. An opportunity should also be taken to emove legacy CAS segments where possible.
						part of the BGA requirements. DP6	part of the BGA requirements. DP6			of traffic.	currently in place. Especially as demand is only an average of 2 arrivals per hour. The initial conclusions that the airfield would suit holds to the South and West with		
											tromboning routes onto final approach are concerning if this is associated with imposition of new CAS with		
											difficult access requirements for GA operators. The BGA sees this ACP as providing an opportunity to better		
											integrate Farnborough traffic above 7000' allowing steeper arrivals and departures and release of some CAS below 7000'.		
20 10/28/22 11:16:04 10/28/22 11:55:27 anonymous	Yes	Farnborough Airport	Alignment with your DPs 0 and 8 Yes	Alignment with your DPs 0 and 8 Yes	Alignment with your DPs 0 and 8 Yes	Alignment with your DPs 0 and 8 Yes	Alignment with your DPs 0 and 8 Yes	Yes Answered Yes - as I needed this comment box. N	D No		Yes Alignment with DPs - answer as for the Network Options	No	No
			0 and 8 Yes Others - probably as very generic at the moment	0 and 8 Yes Others - probably as very generic at the moment	0 and 8 Yes Others - probably as very generic at the moment	0 and 8 Yes Others - probably as very generic at the moment	0 and 8 Yes Others - probably as very generic at the moment	As FAL are only just starting Stage 1 we cannot answer Yes or No at this stageso our answer is Probably Not but we cannot be certain that			Alignment with FAL aspirations - As we have only just started Stage 1 it is impossible to be definitive about the information shown. However, we hope that through		
			Network Options Alignment with FAL aspirations - Provisionally yes as these are still	Network Options Alignment with FAL aspirations - Provisionally yes as these are still	Network Options Alignment with FAL aspirations - Provisionally yes as these are still	Network Options Alignment with FAL aspirations - Provisionally yes as these are still	Network Options Alignment with FAL aspirations - Provisionally yes as these are still	some bespoke option may not be necessary.			continued engagement and maintenance of an excellent working relationship, any options output from the FAL		
			limitations.	limitations.	conceptual and are not showing geographical limitations. Any Changes or other options - Not Yet as we	limitations.	limitations.				ACP Stage 2 work will be able to be considered for integration into the NERL ACP. At this point the conceptual yellow design envelope should not be		
			have not yet entered Stage 2	have not yet entered Stage 2	have not yet entered Stage 2	have not yet entered Stage 2	have not yet entered Stage 2				considered a constraint but more as a sensible working hypothesis that can be altered should FAL options, and		
											the associated network designs dictate. Changes to the options/New Options - Information is very generic and due to FAL being in Stage 1 the only		
											answer possible is "Not at the moment"		
21 10/28/22 10:53:56 10/28/22 12:19:02 anonymous	Yes	MOD	This option aligns with some DPs but		Does not align well with several of the DPs.		Aligns with some DPs but at detriment of	No No	D No		No No	No	No
			potentially at the detriment of others. It depends what balance needs to be struck between capacity and environment.	and offers flexibility.		others. Again, it depends how you want to balance capacity and environment. I would expect that a reduction in capacity is not	others. Again, it depends how you want to balance capacity and environment. I would expect that a reduction in capacity is not						
22 10/28/22 12:58:50 10/28/22 13:03:11 anonymous	No	Etihad Airways	Nil	Nil	Nil	expect that a reduction in capacity is not acceptable. Nil	expect that a reduction in capacity is not acceptable. Preferred option	No No	o No		No No	No	No
		•						. 11***	1,172				

Page 2

MP Stage 2 Feedback Responses (Redacted) Please leave your comments relating to Heathrow, here.	London	Please leave your comments relating to	Luton Please leave your comments relating to Luton, N	Manston Please leave your comments relating to N	ortholt Please leave your comments relating to		Southend	Please leave your comments relating to	Stanste Please leave your comments relating to	Do you have	Please describe your objection.	ACP-2020-043/04 Is there any Please give any additional feedback, here.
	City	London City, here.	here.	Manston, here.	Northolt, here.	ton		Southend, here.	d Stansted, here.	any objection to DP2		additional feedback you
	No		No N	N N		No	No		No	No		Yes Trombone procedures allows to better allocate the fuel quantity needed for the arrival procedure, like the Point merge, Picton energy management is also easier as the procedure and track miles to fly in descent are correlated which is not the case with Holds. In departure a low first level off like 6000Pt to keep until far away from the airport is very much fuel consuming
We support the widening of the Heathrow Arrival Design Envelope. It is important to LLA that the Heathrow holds are	Yes	LLA supports the London City design area to the east of the UK and London. However has	Yes We support the design area for Luton. N	lo Ye	es We support the widening of the Northolt Arrival Design Envelope. It is important to LLA	No	No		Yes We support the widening of the Stansted Arrival Design Envelope to the east. It is	No		No
moved outside of the main LTMA to ensure greater flexibility for routes below 7,000ft. These holds should also be raised to higher altitudes. There is concern that the arrival envelope is	r	concern that the envelope does come close to LLA's current lower level design options nearby BPK and therefore could be an impact and a			that any Northolt holds are outside of the main LTMA to ensure greater flexibility for routes below 7,000ft. There is concern that the arriva				important to LLA that any Stansted holds are outside of the main LTMA to ensure greater flexibility for routes below 7,000ft. There is			
close to Luton TMA and therefore could restrict climb from our departures or descent from our arrivals.		hold in this area could restrict the climb of Luton departures.			envelope is close to Luton TMA and therefore could restrict climb from our departures or descent from our arrivals.				concern that the arrival envelope is close to Luton TMA and therefore could restrict clim from our departures or descent from our			
					deservition out unitus.				arrivals. We would support a change in Stansted's ho	ld		
									to the east, which would mean LLA could ha a hold closer to the airfield to the north (potentially in LOREL area).	ve .		
Altitude gain and deconfliction with LCY routes is desirable.	Yes	The NERL consultation material uses the phrase 'based on traffic throughput, this may	No N	lo N	0	No	No		No	No		No
		need to be a shared facility' for London City's arrival structure for point merge, switch merge and trombone. A shared facility could limit										
		capacity and if this is the case they we wouldn't be supportive of this approach. We also have a desire to achieve a shorter										
		arrivals route particularly from the north through more direct routing. NERL design										
		options should support this aspiration where possible to minimise carbon emissions.										
Heathrow's design envelope overlaps Southampton, Southend, London City and Gatwick airports (amongst others), whereas none of the other design envelopes overlap Heathrow - we	No		No N	N N	0	Yes Similar to Bournemouth, Gatwick is specifically concerned with arrival structures to the north and east as they may interact with our arrival and departure options.	No		No	Yes	No objection per se, except that the capacity / resilience factor should not be diluted by this reprioritisation, e.g. reducing fuel burn and	No.
believe this is a limitation which prematurely discounts many, otherwise potentially viable, design options. This point aside,											emissions should not be done to the detrimen of capacity and resilience, given that the	
Gatwick is specifically concerned with Heathrow's proposed arrival designs to the south, east and west as they will interact with our arrival and departure options.											purpose of the programme is to improve UK airspace capacity.	
Due to the proximity of Heathrow and RAF Northolt it is important that any arrival structures for Heathrow make	No		No N	V4	RAF Northolt is supportive of the approach this ACP is developing and will continue to work		No		No	No		No
consideration to the impacts on RAF Northolt operations.					closely to ensure that Northolt's requirements are met. It will continue to cooperate to integrate interdependent airports arrival							
					structures to ensure the best solution is continued.							
Full engagement required.	No	Full engagement required.	No No No	N N	0	No No	No	Full engagement required.	No No	No No		No No
A point merge or trombone airspace feeding into an RNP arrival structure could have multiple benefits. A CDO from the merge point to arrival could lead to lower fuel consumption and noise	No		No N	N N		No	No		No	No		No
and RNP structured arrivals could lead to further efficiency increases.												
	No		No N	lo N	0	No	No		No	No		Yes Whilst you have referenced GA you have not made any detailed statements about where you see the impact. For example, the following GA aerodromes are close to or inside the LTMA- Denham, Elstree,
												Fairoaks Blackbushe Stapleford, Redhill, White Waltham to name a few. If any of these seek GNSS approaches how will that impact your plans? How will you accommodate VFR flights within the LTMA?
	No		No Ye	es We have a collective view on minor airports which we will send separately - with this	es We have a collective view on minor airports which we will send separately - with this	Yes We have a collective view on minor airports which we will send separately - with this feedback if the system allows otherwise by separate document	Yes	We have a collective view on minor airports which we will send separately - with this	No	No		Yes We will be writing to you separately on ACOG policy and the commercial impact of the airspace changes that would flow from this stage. The format of this response document is not suitable for
				feedback if the system allows otherwise by separate document	feedback if the system allows otherwise by separate document	in the system allows other wise by separate document		feedback if the system allows otherwise by separate document				their inclusion here
	No		No Ye	es The arrival design envelope and arrival N structure viability assessment currently fit with	D	No No	No		No	No		No No
				the aspirations for the airport. Agree that an inner hold would be the only arrival structure								
	Yes	Currently allot of interaction between	No.	required due to the expected traffic volumes.		No.	γρε	With the aspirations of the airport to reach 10	No.	No		No.
		Southend and city arrivals. Potential that if a EGLC arrival structure is via the Southend	IN IN	N				million passengers, holding options above FL70 would need to be planned for. Current				
		overhead this could conflict with Southend departures and restrict climb.						Southend holding options below FL70 are limited to 3 levels without co-ordination with TC. Therefore an option of do nothing would				
Heathrow - conclusions suggest that any new network solutions	Yes	City - solutions appear to sensibly suggest the	Yes Luton - conclusions suggest airspace solutions Ye	es Manston - solutions appear to sensibly suggest Ye	es Northolt - with such dependency and	Yes Southampton - traffic demand is low (overall average of 2 arrivals per hour). Any network	Yes	not be desirable. Southend - traffic demand is low (overall	Yes Stansted - conclusions suggest airspace	No		Yes On slide 10 there is a map of 'constraints'. It (quite reasonably) lists, amongst others, recreational
would not require additional CAS. An opportunity should also be taken to remove legacy CAS segments where possible.	2	use of airspace over the sea would suit this airport.	(above 7000') to the north. This airspace is rarely required for glider operations.	the use of airspace over the sea would suit this airport.	compatibility with Heathrow and very low movement rates any network supporting structure should be commensurate with such	supporting structure should be proportionate to this level of traffic. In addition this ACP should take the opportunity to site any point merge system over the sea.	'	average of 1.5 arrivals per hour). Any network supporting structure should be proportionate to this level of traffic. Solutions appear to				para operations airspace requirements at Hinton and Headcorn as potential constraints. A comparative study of recreational use of airspace at busy gliding sites - particularly Lasham, Cambridge Gilding Centre at Gransden Lodge and other sites that are very busy at particular times
					demand/dependency.			sensibly suggest the use of airspace over the sea.				would suggest that these deserve similar status. Although this is more relevant for the ACPs for airspace below 7000' it may have implications for airspace above 7000' (e.g. for Farnborough).
	No		No N	N N	0	No	No		No	Yes	Answered Yes to get this comments box. It would be useful to understand your reasoning	No
											and would this occur before the DPE?	
	No		No N	N N	D	No	No		No	No		Yes It was good to see wider MOD activity considered (areas of complexity/DAs) in the design envelopes. Ensuring appropriate access for military aircraft/activity and minimising detrimental increases in CAS will continue to a priorities for MOD.
												will continue to be priorities for MOD.
	No	1	No N	lo N	0	No.	No		No.	No		No

ID Stag	e 2 Feedback Res Start time	Completio	ncted) on time Email	Did you attend a briefing?	Which organisation do you represent?	Option 1: Highly Systemised	Option 2: Hybrid Systemised	Option 3: Do Minimum	Option 4: Direct Route Airspace	Option 5: Free Route Airspace	Do you consider there to be any alternative network options?	If yes, please describe		lease leave your comments relating to Biggin Bourne mouth	Please leave your comments relating to Bournemouth, here.	or Please leave your comments relating to Farnborough, here.		20-043/044/04 Heathrow
23	10/28/22 13:01:0	08 10/28/22 1	anonymous	Yes	Lufthnsa Systems FlightNav (Lido FMS)	are fine. However, even though most aircraft are capable, some avionics still have limited databases. Increasing the number of departure/arrival procedures, additional routes and waypoints at multiple airports might lead to some databases not being able	From an FMS coding perspective, all options are fine. However, even though most aircraft are capable, some avoincs still have limited databases. Increasing the number of departure/aircraft porcedures, additional routes and waypoints at multiple airports might lead to some databases not being able to have the same coverage as before (in terms of the number of included airports). This option might increase the number of SID/STARS/routes and waypoints.	are fine. This option more or less is the status quo, therefore it most likely has only a minim- increase in SID/STAR/routes or waypoints, so no issues with database sizes are expected.	are fine. It most likely has only a minimal	are fine. It most likely has only a minimal	No	N	No	No	No	No		No
24	10/29/22 9:49:29	9 10/29/22 1	10:07:50 anonymous	No	easyJet	human intervention is minimized, the safety	e This system can be a good option provided that we minimum non systemised routes. Trombone and point merge system may be a part of this system.	The existing route needs to be revised. using this option, the expected gains are too low.	The concept is good. The efficiency of this system decreases when the traffic increases. Studies need to prove what the capacity is of this concept.	Concept is good, but the practical implementation for AC operators is challenging.	No	N	No	No	No	No		No
25	10/31/22 17:53:0	06 10/31/22 1	anonymous	No	Delta AirLines	Work well under design considerations, but often lacks the flexibility to manage efficiency Controllers often have the best picture and co work the optimum solutions. Generally not		investments in technology which could improve the overall system. We would support	Direct route is a good balance of using a system of procedures where it matters to separation in congested airspace and noise t mitigation, while offering the efficiency of between Supported by our	Most efficient but often requires a trade-off of controller workload. Hardest for public to understand flight paths and noise burden. Would prefer a balance of systemization to manage controller and pilot workload, while optimizing flight paths were able. Option 4 is preferred over Option 5, except in the high-altitude structure; here we would want FRA.	No	N	No	No	No	No		Yes
26	11/1/22 16:40:54	11/1/22 17	7:01:35 anonymous	No	British Airways	Great for lack of ATC interaction/intervention but can be less efficient in terms of taking advantage of reduced track miles when traffit demands are low.	A good balance to counter my comments in Q4. C	Airspace has not been upgraded since the 1960s. This is a once in a lifetime opportunity to modernize it for our modern fleets. This option falls short of doing this.		Good option	No	Y		onsidering the number of movements at (ggjin Hill, this must be deprioritized to scilitate LHR and LGW efficiencies.	Considering the number of movements at Yes Bournemouth, this must be deprioritized to facilitate LHR and LGW efficiencies.	Considering the number of movements at Farnborough, Ves this must be deprioritized to facilitate LHR and LGW efficiencies.	The only viable option is to enhance and modernize the Arrival structures to the South to ensure there is no conflict with the LTMA traffic.	Yes
27	11/1/22 9:41:44	11/2/22 10	0:21:35 anonymous	Yes	Cyrrus/ Bournemouth Airport	Lack of flexibility - too much restriction. Negative impact on the environment.	preference for this option - happy medium with structure routes but still affording the potential for dynamic solutions. Meet in the middle option for capacity and environment.	negates the reason for change	Great for CO2 and the environment, would likely contribute towards reduced capacity so not a great option	FRA could be beneficial at high level over large sections of airspace-however we don't feel that the lower-level airspace would benefit from this option.	No	N	No	Yes	We agree with the design envelope displayed and look froward to working more closely with NERL and Southampton in the future.	No No		No
28	11/2/22 16:58:53	11/2/22 17	7:10:52 anonymous	Yes		Whilst offering a high degree of predictability is this system able to offer the flexibility exquired to cope with changing traffic levels throughout the deplyseer principal polity route from 3D for progress may require produce of CAS (DPS). Appears to align to DPs which the produce of CAS (DPS). Appears to align to DPs through the produce of CAS (DPS). Appears to align to DPs through the vergical about the ability of deliver any environmental efficiency benefits DP2,3,4.	Probably the preferred STN option because of the ability to create capacity within the LTMA and reduce delays.	deliver against the STN "must have" designs principles including the alignment to the AMS to deliver both efficiency and environmental	doesn't exactly align to DP9 (systemisation) which may impact capacity within the LTMA. This would appear to deliver better on the	would not present a good option or STN. Again we would want to understand the difference d in capacity performance of these options.	No	N	No	No	No	No		No
29	11/3/22 15:12:44	11/3/22 15	anonymous	Yes	Heathrow Airport Limited	the concepts that could be applied to the Design Principles and HAL has no reason to believe that as these concepts are developed they would not align to the Design Principles. This alignment will become clearer in the Design Principle Evaluation where each	Design Principles and HAL has no reason to believe that as these concepts are developed, they would not align to the Design Principles. This alignment will become clearer in the Design Principle Evaluation where each n concept will be evaluated against each Design	the concepts that could be applied to the Design Principles and HAL has no reason to believe that as these concepts are developed, they would not align to the Design Principles. This alignment will become clearer in the Design Principle Evaluation where each concept will be evaluated against each Design	the concepts that could be applied to the Design Principles and HAL has no reason to believe that as these concepts are developed, they would not align to the Design Principles. This alignment will become clearer in the Design Principle Evaluation where each	the concepts that could be applied to the Design Principles and HAL has no reason to believe that as these concepts are developed, they would not align to the Design Principles. This alignment will become clearer in the Design Principle Evaluation where each concept will be evaluated against each Design	No	N	No	No	No No	No		Yes
30	N/A	N/A	Received 28.10.2022		United Airlines													
31	11/8/22 10:11:3	11/8/22 10	0:17:17 anonymous	Yes	Ryanair gROUP	INTUITIVELY pbn SOLUTION IS BEST USE OF AIRSPACE VOLUME WHICH SHOULD OPTIMIS		NO	4th pref	3rd pref	No	N	No	Yes	Accepted. Capacity is most important No consideration	Yes	Capacity is most important, so whatever drive max capacity	No
32	11/8/22 14:18:0-	4 11/8/22 14	4:22:35 anonymous	Yes	AGS Southampton	cAPACITY. First pref No issues with this option so long as there is sufficient flexibility to handle all circumstances.	No issues with this option	No issues with this option	No issues with this option	No issues with this option	No	N N	No		We have responded to the feedback request by Bournemouth on their Design Principles and have made comments to them regarding the aspiration for Bournemouth to have autonomy with regard to avoiding Solent APC working their traffic.	Famborough traffic will likely interact with Southampton No traffic and therefore we will require ongoing coordination of ACP design activities - especially a Famborough have declared the intention of carrying out a new ACP as an integral part of the AMS plan. Southamptor's asyntation will be to remove the requirement for Solent APC to work Famborough traffic, ideally with Famborough traffic avoiding Solent alispace.		No

Page

There is insufficient airspace to suitably place a switch merge.