

Gatwick Airport Northern Runway National Infrastructure Project

TR020005

Principal Areas of Disagreement Summary Statement

Version 4 (<u>Track Change</u>)

Deadline 9 submission 21st August 2024

Interested Party Reference: 20044737

Introduction

Mid Sussex District Council has significant concerns about the application. In preparing this document, the Council has focused on its principal areas of concern and has aimed to provide as concise a summary as possible of these. The brevity of this document does not reflect the scale of the Council's concerns.

This is Version 4 of the Principle Area of Disagreement Summary Statement (PADSS) and updates Version 23 submitted in MarchJune 2024 (REP2-0495-098 and REP2-050REP5 089). A track change and clean version have been submitted at Deadline 59. It identifies the remaining and some new principal area of disagreement that have been identified as further work has been undertaken during the Examination.

Unless a fuller explanation is provided, the following terms have been used in the column headed 'Likelihood of concern being addressed during the Examination':

- Likely where agreement should be possible, or a relatively simple change is required.
- Uncertain where an issue is being, or will be, discussed further with the Applicant.
- Unlikely where agreement on an issue is unlikely or it is difficult to identify a solution.

The PADSS covers the following topic areas:

Aviation need, capacity and forecasting

Noise

Air Quality

Climate Change

Green House Gases

Traffic and Transport

Socio - Economic

Historic Environment and Landscape

Draft Development Consent Order

Principal Areas of Disagreement Summary Statement (PADSS) from Mid Sussex District Council

Version Number: 34.0 Submitted at: 6th-21st June August 2024

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	TOPIC: Aviation need, ca	pacity and forecasting		
	Principal Issue in Question	Concern held	What needs to change/be amended/be included in order to satisfactorily address the concern	Likelihood of concern being addressed during Examination
1.	The capacity deliverable with the Proposed Development	Following the provision of further information by the Applicant [REP1-054 and discussions, the hourly and daily aircraft movement capacity deliverable with the NRP Proposed Development is agreed as the likely maximum throughput attainable. However, the annual passenger and aircraft movement forecasts deliverable from this capacity are not agreed. Based on information provided by the Applicant it is considered that the maximum throughput attainable with the NRP to be of the order of 75-76 mppa so delivering a smaller scale of benefits.	Assessments should be based on a lower throughput of passengers with the NRP. Updated position (Deadline 5): Further information regarding the validation of the updated simulation modelling is required Further discussion is planned to see if further agreement can be reached in relation to the level of demand that can be delivered from the planned capacity	Uncertain

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Updated position (Deadline The Applicant has produced updated simulation modelling of the future capacity of the runway with the NRP [REP1-054], which uses more appropriate assumptions about the separations required between departing aircraft but, nonetheless, indicates lower levels of delay. Further information has been sought regarding the calibration of this model to verify that it does not understate delays before it can be agreed that the NRP is capable of delivering the capacity uplift assumed over the language of the langua the longer term [REP4-052] Following the provision of further information by the Applicant [REP1-054 and discussions, the hourly and daily aircraft movement capacity deliverable with the NRP Proposed Development is agreed as the likely maximum throughput attainable. However, the annual passenger and Formatted: Line spacing: single aircraft movement forecasts deliverable from this capacity are not agreed.

2.	The forecasts for the use	The demand forecasts have been	The adoption of the top down forecasts,	Uncertain	7
	of the NRP are not based	developed 'bottom up' based on	including an allowance for capacity growth at		1
	on a proper assessment of	an assessment of the capacity	the other London airports as the base case for		
	the market for Gatwick, having regard to the latest	that could be delivered by the	the assessment of the impacts of the NRP and		
	Department for Transport	NRP (see point above). It is not	the setting of appropriate controls on growth		
	forecasts and having	considered good practice to base	relative to the impacts.		
	regard to the potential for	long term 20 year forecasts solely			
	additional capacity to be	on a bottom up analysis without	Updated position (Deadline 5):		
	delivered at other airports. The demand forecasts are	consideration of the likely scale of			
	considered too optimistic.	the market and the share that	The adoption of the top down forecasts, including an allowance for capacity growth		
		might be attained by any	at the other London airports as the base		
		particular airport.	case for the assessment of the impacts of		
		particular airport.	the NRP and the setting of appropriate		
		_	controls on growth relative to the impacts.		
		Alternative top-down forecasts			
		have now been presented by GAL			
		[REP1-052] that show slower			
		growth in the early years			
		following the opening of the			
		NRP. These are considered more			
		reasonable that the original			
		bottom-up forecasts adopted by			
		the Applicant but still fail to take			
		adequate account of the extent to			
		which some part of the demand			
		could be met by expansion at			
		other airports serving London			

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including a third runway or other expansion being delivered at Heathrow. The demand forecasts have been developed 'bottom up' based on an assessment of the based on an assessment of the capacity that could be delivered by the NRP (see point above). It is not considered good practice to base long term 20 year forecasts solely on a bottom up analysis without consideration of the likely scale of the market and the share that might be attained by any particular attained by any particular airport. **Updated position (Deadline** Alternative top-down forecasts have now been presented by GAL [REP1-052] that show slower growth in the early years following the opening of the NRP. These are considered more reasonable that the original bottom=up forecasts adopted by the Applicant but still fail to take

		adequate account of the extent to which some part of the demand could be met by expansion at other airports serving London including a third runway or other expansion being delivered at Heathrow.			
3.	Baseline Case has been overstated leading to understatement of the impacts	There is concern that it is unreasonable to assume that the existing single runway operation will be able to support 67.2 mppa meaning that the assessment of impacts understates the effects, see REP4-049. The JLAs believe that the maximum throughput attainable in the Baseline Case is likely to be of the order of 57 mppa and that this alternative Baseline should be adopted as the basis for assessing the effects of the Proposed Development. There is concern that it is unreasonable to assume that the existing single runway operation will be able to support 67.2 mppa meaning that the assessment of impacts understates the effects, see REP4-049. The JLAs believe that the maximum throughput attainable in	Although GAL has submitted is undertaking sensitivity analysis of alternative baseline assumptions as directed by the ExA it had not accepted that this alternative Baseline is a more appropriate basis for considering the effects of the Proposed Development. It is considered that the results of this sensitivity analysis should be used as the basis for the assessment of the impact of the NRP and the setting of appropriate mitigations and controls.	Uncertain	Formatted: Font: 11 pt Formatted: Font: 11 pt

		the Raseline Case is likely to be of the			_	
		the Baseline Case is likely to be of the order of 57 mppa and that this alternative Baseline should be adopted as the basis for assessing the effects of the Proposed Development.				
4.	Overstatement of the	The methodology used to assess	The catalytic impact methodology needs to	Uncertain	_{	Formatted: Font: 11 pt
	wider, catalytic, and	the catalytic employment and	properly account for the specific catchment		\mathbb{R}^{2}	Formatted: Font: 11 pt
	national level economic benefits of the NRP.	GVA benefits of the development	area and demand characteristics of each of			
	benefits of the MM.	is not robust as it is not based on	the cross-section of airports to ensure that			
		the use of available data relating	the catalytic impacts of airport growth are			
		to air passenger demand in the	robustly identified. Account needs to be			
		UK. The JLAs are not confident	taken of the specific relationship between			
		that these assessments present a	growth at Gatwick and the characteristics of			
		realistic position in terms of	its catchment area, having regard to changes			
		catalytic employment at the local	due to the NRP and displacement from other			
		level such that the results should	airports.			
		not be relied on.	The national economic impact assessment			
		The national economic impact	should robustly test the net impact of			
		assessment is derived from	expansion at Gatwick having regard to the			
		demand forecasts which are	potential for growth elsewhere and properly			
		considered likely to be optimistic and fails to properly account for	account for Heathrow specific factors, such as			
		potential displacement effects	hub traffic and air fares.			
		from other airports, as well as				
		other methodological concerns.	-			
			Although the Applicant provided some further		-	Formatted: Font: 11 pt
		The methodology used to	explanation in REP3-78 (pages 100-105) and			
		The methodology used to assess the catalytic	REP7-077, the council remains concerned that			
		employment and GVA benefits of the development is not	the methodology is not robust for the reasons			
		of the development is not	set out at paragraphs 57-60 of REP4-052. It is			

robust, as it is not based on the used of available data relating to air passenger demand in the UK. The JLAs are not confident that these assessments present a realistic postion in terms of catalytic employment at the local level such that the results should not be relied on. leading to an overstatement of the wider catalytic, and national level economic benefits of the wider NRP in the local area.

Updated position (Deadline 5):

The national economic impact assessment is derived from demand forecasts which are considered likely to be optimistic and fails to properly account for potential displacement effects from other airports, as well as other methodological concerns.

understood that the Applicant contends that its assessment of the total employment impact of the growth of the Airport is calculated on a net basis, such that any local displacement is accounted for. As a consequence, it is claimed by the Applicant that, to the extent that the direct, indirect and induced impacts may be estimated on a gross employment gain basis, this effect is neutral in terms of the estimate of total direct, indirect, induced and catalytic employment given that the catalytic employment is estimated as the difference between the total net employment gain and the calculated direct, indirect and induced employment. Given the concerns expressed regarding the catalytic impact methodology, the council do not accept that displacement has adequately been accounted for in the employment estimates, not least as no account is taken of the extent to which growth at Gatwick would be displaced from other airports. When coupled with the concerns regarding the catalytic impact methodology as a whole, little confidence can be placed on the reliability of the estimates of net local employment gain.

Updated position (Deadline 5):

The catalytic impact methodology needs to properly account for the specific catchment area and demand characteristics of each of the cross-section of airports to ensure that the catalytic impacts of airport growth are robustly identified.

The national economic impact assessment should robustly test the net impact of expansion at Gatwick having regard to the potential for growth elsewhere and properly account for Heathrew specific factors, such as hub traffic and air fares.

Although the Applicant provided some further explanation in REP3-78 (pages 100-105), the council remains concerned that the methodology is not robust for the reasons set out at paragraphs 57-60 of REP4-052. It is understood that the Applicant contends that its assessment of the total employment impact of the growth of the Airport is calculated on a net basis, such that any local displacement is accounted for. As a consequence, it is claimed by the Applicant that, to the extent that the direct, indirect and induced impacts may be estimated on a gross employment gain basis, this effect is neutral in terms of the estimate of total

estimates of net local employment gain.

	TOPIC: Noise			4	Formatted Table	
	Principal Issue in Question	Concern held	What needs to change/be amended/be included in order to satisfactorily address the concern	Likelihood of cor addressed during		
5.	Assessment of significant effects for air noise	How the significant effects have been identified and the robustness of conclusions. Updated position (Deadline 9): The	Provide a thorough assessment of significant effects that identifies how communities will be impacted by air noise Updated position (Deadline 9): The Applicant's	Uncertain		
		Applicant's assessment of air noise does not contain sufficient information on temporal effects and secondary metrics to fully understand how communities would be affected by the proposed expansion.	assessment of air noise does not contain sufficient information on temporal effects and secondary metrics to fully understand how communities would be affected by the proposed expansion.		Formatted: Font: Bold	
6.	Assessment of significant effects for ground noise	How the significant effects have been identified and the robustness of conclusions. Updated position (Deadline 9): The Applicant's assessment of ground noise is presented in a manner that is confusing. There is a lack of ground noise contours that would be expected to be presented in a	Provide a thorough assessment of significant effects that identifies how communities will be impacted by air_ground noise Updated position (Deadline 9): The Applicant's assessment of ground noise is presented in a manner that is confusing. There is a lack of ground noise contours that would be expected to	Uncertain		
		similar manner to air noise and road traffic noise contours. No assessment is provided for the period when there is no barrier/ bund in pace at the western end of the runway. The Council have no confidence in the ground noise assessment and its conclusions.	be presented in a similar manner to air noise and road traffic noise contours. No assessment is provided for the period when there is no barrier/bund in pace at the western end of the runway. The Council have no confidence in the ground noise assessment and its conclusions.		Formatted: Font: (De	fault) +Body (Calibri), 9 pt

7.	Methodology used to model air noise	Further detail of the methodology used to model air noise impacts is needed.	GAL should provide more detailed information used to model air noise	Uncertain	
			Updated position (Deadline 5): Details of SEL and LAmax measurements of each aircraft type that underpin air noise modelling should be provided along with the margin of error between predictions and measurements.		
			Updated position (Deadline 9): The Applicant continually rejected this information request stating that information on the Boeing 737-800 [REP6-065] was sufficient. The JLAs made an explicit request for information at ISH9		
			and the Applicant insisted that the information was confidential to the CAA. After ISH9, the JLAs contacted the CAA regarding this matter and have finally received measured Single Event Level and LASmax noise data after the CAA		
			confirmed that the data was NOT confidential. The CAA are also willing to share a comparison of measured and predicted noise levels; however, they require approval from Air Noise Performance data providers in order to share this information. A request by the JLAs has been made to the ANP		
			database data providers and a response is being awaited.		
8.	Methodology used to model ground noise	Further detail of the methodology used to model ground noise impacts is needed.	GAL should provide additional information used to model ground noise	Uncertain	
		Updated position (Deadline 9): The assessment of ground noise sources using LAmax and LAeq,T metrics for different noise sources is unnecessarily confusing. There is no significance criteria set for	Updated position (Deadline 5): Engine ground running, auxiliary power unit, fire training ground activities and engine around taxi noise should all be included in LAeq,T ground noise predictions.		

		LAmax noise sources so likely significant effects cannot be identified. The Applicant attempts to provide a narrative linking the metrics, which is unhelpful given the Applicant relates different metrics to different noise sources that have no connection.	Updated position (Deadline 9): The assessment of ground noise sources using LAmax and LAeq,T metrics for different noise sources is unnecessarily confusing. There is no significance criteria set for LAmax noise sources so likely significant effects cannot be identified. The Applicant attempts to provide a narrative linking the metrics, which is unhelpful given the Applicant relates different metrics to different noise sources that have no connection.		
9	Noise Envelope	Significant concerns relating to the definition, management and enforcement of the Noise Envelope.	A Noise Envelope that is fit for purpose, with a regulatory framework that is able to scrutinise and take action if required. Updated position (Deadline 5): The joint local authorities should be part of a Noise Envelope scrutiny group Updated position (Deadline 9): The Applicant has not addressed this concern	Uncertain	
10.	Noise Insulation Scheme	Lacks clarity as to what measures will be applied and where.	A fit for purpose scheme that provides mitigation for those properties that will suffer most severe noise impacts. Updated Position (Deadline 5): The applicant published revised Noise Insulation Scheme [REP4-017]. Little progress has been made in addressing the JLAs concerns as outline in the West Sussex Joint LIR table 14.1 and paragraphs 14.244 13260 [REP1068]. The JLAs have provided a written response at Deadline 5 'Joint Local Authorities Response to the Applicants Deadline 5 Submissions'	uncertain	

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		Updated position (Deadline 9): The Applicant submitted an updated Noise Insulation Scheme at [REP8-087]. The JLAs have responded to this in its Deadline 9 submission. In summary, the position of the MSDC remains that whilst minor modifications have been made, the Council's concerns have not been addressed.	

	TOPIC: Air Quality				
	Principal Issue in Question	Concern held	What needs to change/be amended/be included in order to satisfactorily address the concern	Likelihood of concern being addressed during Examination	
11.	Assessment Scenarios — there are a number of clarifications required to understand the Assessment Scenarios utilised in the air quality assessment. Such as those scenarios where both construction and operational activities happen at the same time. There are also variations between application documents on how scenarios are described.	The concern is that the scenarios assessed in the ES do not provide a realistic worst case assessment.	Further information is required to understand what scenarios have been assessed. Updated Position (Deadline 5): Gatwick Airport Limited (GAL) sets out in paragraph 3.7.7 of their Response to Deadline 3 Submissions [REP4-031] that the air quality matters submitted by the Joint Local Authorities at Deadline 3 (Appendix A) [REP3-117] will be responded to by Deadline 5. This Appendix of air quality queries prepared by AECOM included a wide range of technical matters. Without a response from GAL further progress cannot be made for most air quality maters in this PADSS. It is anticipated that further progress can be made before the next Examination Deadline. Where it has been possible to update the PADSS for air quality text has been added below. Updated Position—16-08-24 This matter is resolved.	Uncertain.	Fo
1 1 6 1	Study Areas Further nformation on the road traffic study area within the air quality assessment is required. Needed to understand which routes	Without this information it is not possible to fully understand the air quality assessment of road traffic air quality effects. i.e. which	Further information required to understand the study areas that have been assessed, to determine if changes are required. Updated Position (Deadline 5):	- Uncertain	

	have been affected by changes in traffic	routes are affected in which scenario.	The Joint Local Authorities have submitted a detailed review of the Air Quality Action Plan [REP2 -004]. Please see REP4-053 for this detailed review. Without a response from GAL further progress cannot be made. It is anticipated that further progress can be made before the next Examination Deadline.			
10	Madelyerifection		Updated Position — 16-08-24 Further information has not been provided by the Applicant to help understand the air quality study areas assessed for the different scenarios.	Line controller		
13.	Model verification—remains a series of queries to be considered to establish if the air quality model verification is robust. For example, no reference is made to 2022 data which should have been available during the preparation of the air quality assessment	The concern is that air quality predictions may not be as robust.	Further information is requested to understand how robust air quality predictions are. Updated Position (Deadline 5): The Joint Local Authorities have submitted a detailed review of the Air Quality Action Plan [REP2 004]. Please see REP4 053 for this detailed review. Without a response from GAL further progress cannot be made. It is anticipated that further progress can be made before the next Examination Deadline Updated Position 16 08 24 This matter is resolved.	-Uncertain		
14.	Air Quality Action Plan - A combined operational air	This is a matter of local concern as shown in the local	"Updated Position (Deadline 5)	<u>Uncertain</u>	\sim	rmatted: Font: Not Bold rmatted: Font: English (United Kingdom)

	guidance prepared by Sussex	A draft AQAP (Annex 5 of draft s106 [REP2 004])	Formatted: Font:
	authorities in 2021.	was provided by GAL on 26 March 2024.	
draw together carbon		Disappointingly, the draft AQAP simply	
action plan and surface		summarises the measures within the carbon	
access commitments. It is		action plan, surface access commitments and	
also noted that the		construction code of practice, with no	
approach differs from		commitment to additional targeted measures. No	
previous discussions where		additional information has therefore been	
a draft AQAP was provided		provided which addresses the Council's	
in 2022. The proposed air		concerns.	
quality action plan could be			
informed by monetisation of			
air quality impacts.		The Joint Local Authorities have submitted a	
		detailed review of the Air Quality Action Plan	
		[REP2 -004]. Please see REP4-053 for this	
		detailed review. Without a response from GAL	
		further progress cannot be made. It is anticipated	
		that further progress can be made before the next	
		Examination Deadline	
		Updated Position 16-08-24	Formatted: Font: 11 pt
		The Councils continue to consider that the	
		provision of additional information (e.g. in line	Formatted: Font: 11 pt
		with Sussex Guidance) would be beneficial for	Formatted: Font: 11 pt
		defining mitigation measures within the AQAP.	Formatted: Font: 11 pt
		The SACs have already been taken into account	
		in the assessment of air quality impacts. The air	
		quality effects of the Project are therefore those	
		which remain assuming all SAC are met.	
		The Sussex Guidance specifies that, even where	
		air quality standards are met, the health effects of	

additional pollution emissions as a result of the Project should be mitigated.

It is the Council's view that since SAC have already been taken into account (embedded), additional mitigation is needed to mitigate the increased airport related pollution in line with the damage costs as per the Sussex Guidance.

The Council also has concerns that if air quality standards were to change in future, the current controls within the DCO provide no mechanism to manage this uncertainty and would allow uncontrolled growth to continue even where breaches were occurring.

The purpose of the Environmentally Managed Growth (EMG) Framework proposed by the JLAs is to introduce action thresholds (which align with LAQM guidance TG22) to identify where a risk of exceedance is likely.

The Applicant argues this is unreasonable and tries to suggest that the JLAs are attempting to prevent planning consent on the basis of potential future change in air quality (which was the basis of the Stansted Airport appeal it cites) which is clearly not the case, since these thresholds would be implemented during operation of a consented development, and only if future legislative requirements were to result in risk of exceedance.

The JLAs maintain that this approach is necessary because, there is no

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			acknowledgement on the part of the Applicant of the possibility that air quality standards may change over the lifetime of the Project, and their draft AQAP provides inadequate controls to manage change including a retrospective 5 yearly reporting cycle.	
15.	Operational air quality monitoring – linked to the uncertainty around the effectiveness of modal shift measures. There is no information of how air quality data will be reviewed to check that change are not more adverse than predicted, nor what measures would be taken is a significant adverse deterioration was monitored.	The concern is that it is unclear how operational monitoring would trigger air quality mitigation	Updated Position (Deadline 5) Outstanding areas of concern relating to air quality, were previded by AECOM on behalf of the JLAs at Deadline 3 [REP3 117 — Appendix A]. GAL's states [REP4-031 para 3.7.7] that its response to these air quality concerns will be provided by Deadline 5. Without a response from GAL to these technical air quality issues the Council is unable to update the resolution status of concerns relating to operational air quality monitoring. Further information is requested to understand how air quality will be monitored, evaluated and reported to local authorities along with the further steps that would be taken should air quality deteriorate further than predicted. Thereafter, it can be confirmed what amendments may/may not be required etc. Updated Position — 16-08-24 As above, see Air Quality Row 14.	Uncertain

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16.		The concern is that the	Clarification on scenarios is required, as	Likely		
ı	Assessment The HRA	scenarios utilised do not	described above in the air quality chapter review.	•		
,	utilises the predicted air	represent a realistic worst				
	quality results for NOx,	case for the Proposed	Updated Position (Deadline 5)			
	0	Development.	Outstanding areas of concern relating to air			
ļ	deposition to determine whether there are habitat		quality, were provided by AECOM on behalf of			
ļ	integrity risks to European		the JLAs at Deadline 3 [REP3-117 Appendix A].			
	designated sites. The HRA		GAL's states [REP4-031 para 3.7.7] that its			
ļ	concludes there are none in		response to these air quality concerns will be			
ļ	relation to air quality both		provided by Deadline 5.			
	for the proposed		provided by Deddinie 0.			
ļ	development in isolation					
ļ	and in combination.		Updated Position - 16-08-24			
ļ	However, this is based on		This matter is resolved.	4-	E	prmatted: Space After: 0 pt, Line spacing: single
	the scenarios assessed		THIS Hidtlet is resulved.	-	(10	brmatted: Space Arter. o pt, time spacing. single
	within the air quality chapter that need further					
	review to determine if the					
	scenarios represent a					
ļ	realistic worst case.					
	Air Quality and Emissions	The applicant has not clearly	Updated position (Deadline 5): The JLAs	Uncertain		
	Mitigation Guidance for	demonstrated regard to the	response at D4 [REP4-042 para 2.34-2.38] also			
,	Succay	Sussex Air Quality and	discusses how the AQAP fails to address local air			
ļ		Emissions Mitigation	quality effects in line with the Air Quality and			
ļ		Guidance or the Defra air	Emissions Mitigation Guidance for Sussex (the			
ļ		quality damage cost guidance	"Sussex Guidance").			
,		in assessing air quality				
,		impacts and mitigation	The purpose of the Sussex Guidance is to assess			
,		measures. The health/damage	the health impacts from the additional emissions			
	1	costs are not included in the	associated with the development and to provide			

DCO documents despite confirmation from the applicant that they would be undertaking a TAG (Transport Analysis Guidance) assessment which would identify the air quality damage costs of the Project. The underlying rationale of the

Sussex Guidance is to quantify health damage costs associated with the transport emissions from the proposed development (NO2, M10/2.5) in order to offset these damages to protect human health. This approach is in line with the principals of Defra's Clean Air Strategy.

mitigation a local level proportionate to the value of the damage to health.

The Applicant doesn't accept that any additional Project related mitigation is necessary because they have not identified significant impacts. This approach is not consistent with the principles of the Sussex Guidance, which aims to offset the health effects of non-threshold pollutants irrespective of the significance assessment.

The JLAS have addressed this point in their D4 response [REP4-042 para 2.39-2.43] and detailed review of the AQAP [REP4-053].

A response from GAL on these D4 submissions is awaited to progress discussions

Updated Position - 16-08-24

As above, see Air Quality Row 14.

Į	OPIC: Climate Change					
	Principal Issue in Question		· · · · · · · · · · · · · · · · · · ·	Likelihood of concern being addressed during Examination		
There are no outstanding Principal Areas of Disagreement relating to Climate Change						

	TOPIC: Greenhouse Gases			
	Principal Issue in Question	Concern held	What needs to change/be amended/be included in order to satisfactorily address the concern	Likelihood of concern being addressed during Examination
23.	Assessment methodology	No carbon calculations for well to tank emission and conversions from CO ₂ to CO ₂ e have been undertaken. Such calculations could potentially increase the total	Under the IEMA GHG Assessment methodology used in the ES, the Applicant must update the assessment to evidence that exclusions are <1% of total emissions and where all such exclusions total a maximum of 5%.	Addressed Likely
		emissions by around 20%. Therefore, millions of tonnes of CO ₂ e are not accounted for, which is non-compliant with the GHG Protocol Corporate Accounting Standard and GHG accounting best practice.	Updated Position (Deadline 5): In Deadline 4, the Applicant has provided WTT estimates for construction, ABAGO, surface access, and aviation. These updates increase the total emissions from the project between 2018 and 2050 by 3,978,000 tCO2e, representing a 19.83% increase. To contextualise these emissions against the carbon	
			budget, the Applicant references DÜKES 2023 Chapter 3: Oil and Oil Products, estimating that around 36% of WTT aviation emissions occur within the UK boundary. Using this justification, the Applicant compares only this portion of aviation WTT emissions to the carbon budget, along with the WTT emissions from construction, ABAGO, and surface access.	
			The Applicant then presents only the net impact, stating it accounts for 0.649% of the UK's 6th carbon budget, without displaying the total future impact of the airport as done in the ES.	
			The Applicant should further forecast the percentage impact on future estimated carbon budgets using the CCC projections to estimate the project's impact on	

0.4		The improved described	future carbon budgets to understand if it is decarbonising in line with the estimated net zero trajectory.	No. A. A. dalance and Harrison in
24.	The unsustainable growth of airport operations may result in significant adverse impacts to the climate.	The increased demand in GAL's services may lead to unsustainable surface access transportation and airport operation growth, which may significantly impact the climate.	The measures in the Carbon Action Plan are too weak and will not allow for effective monitoring of the Greenhouse Gas impacts of construction and operating the NRP. The CAP lacks an effective mechanism to ensure that carbon reductions align with the Applicant's proposed targets. MSDC would support the imposition of a further requirement setting a carbon gap, either through a Requirement of the DCO or the JLA EMGF. To monitor and control GHG emissions during the project construction and operation it is suggested a control mechanism to similar to the Green Controlled Growth Framework submitted as part of the London Luton Airport Expansion Application, is provided. Implementing such a framework would make sure that the Applicant demonstrates sustainable growth while effectively managing its environmental impact. Within this document, the Applicant should define monitoring and reporting requirements for GHG emissions for the Applicant's construction activities, airport operations and surface access transportation. Similar to the London Luton Airport Green Controlled Growth Framework, emission limits and thresholds for pertinent project stages should be established. Should any exceedances of these defined limits occur, the Applicant must cease project activities. Where appropriate the Applicant should undertake emission offsetting in accordance with the Airport	Not Addressed Uncertain

			Carbon Accreditation Offset Guidance Document to comply with this mechanism. In addition, and where reasonably practical, the airport will seek to utilise local offsetting schemes that can deliver environmental benefits to the area and local community around the airport. Offsets should align with the following key offsetting principles i.e. that they should be: o additional in that would not have occurred in the absence of the project o monitored, reported and verified o permanent and irreversible o without leakage in that they don't increase emissions outside of the proposed development o Have a robust accounting system to avoid double counting and Be without negative environmental or social externalities.		
25.	If the Applicant does not provide infrastructure or services to help decarbonise surface transport emissions it may have the potential to result in the underreporting of the Proposed Development's impact on the climate. The full impact of the Proposed Development on the government meeting its net zero targets cannot be identified.	The Applicant must actively promote the transition to a decarbonised economy, incentivising airport users to adopt low carbon technologies like electric cars and public transportation systems.	The Applicant should provide infrastructure within the Airport to support the anticipated uptake of electric vehicles and provide electric vehicle charging infrastructure. Additionally, to support this movement, the Applicant should support a Green Bus Programme such as the expansion of the network of hydrogen buses used in the Gatwick/Crawley area into Mid Sussex with accompanying	Addressed	

			infrastructure.		
26.	Response to submissions on	Following the Finch judgment,	Following the Finch judgment, the JLA asserts that	Addressed Addressed	
	Finch [REP8_119]GAL does	JLA argues that inbound CCD	emissions from inbound cruise, climb, and descent		
	not identify the risks	flight emissions should be	(CCD) flights should be included in the GHG		
	associated with using carbon	included in the GHG	assessment. Outbound flights, being effects of the		
	offset schemes.	assessment. Document 5.4.2,	project, are already included in the assessment. This		
		Section 1.14	suggests a causal link between emissions from		
			inbound CCD flights and the proposed project.		
		This states that, "In 2016/17,			
		we achieved 'Level 3+ -	In response to this concern, the Applicant's DL7		
		Neutrality' status under the	submission provides total aviation emissions (both		
		Airport Carbon Accreditation	inbound and outbound) compared to ICAO modelling		
		scheme, which is a global	for global civil aviation emissions. They assert that		
		carbon management	GAL would contribute just 0.11% of global emissions,		
		certification programme for	which they consider insignificant.		
		airports (Ref 1.1). GAL has			
		been working hard to reduce	The Applicant has also included well to tank		
		carbon emissions under	emissions for inbound flights, concluding that this would increase GAL's contribution from 0.11% to		
		GAL's control (from a 1990	would increase GAL's contribution from 0.11% to		
		baseline) and offset the	0.13%, which remains insignificant. Therefore, this		
		remaining emissions using	issue is considered resolved.GAL should state if they		
		internationally recognised	comply with the Airport Carbon Accreditation Offset		
		offset schemes."	Guidance Document which specifies the type of		
			offsetting Schemes that need to be used.		
		The scientific community has			
		identified various risks around	In addition, and where reasonably		
		using offsetting schemes to	practical, GAL should seek to utilise local offsetting		
		claim net zero or carbon	schemes that can deliver environmental benefits to		
		neutrality. GAL should	the area and local community around the airport.		
		specifically state which offset	Offsets should align with the following key offsetting		
		scheme they intend to use so	principles i.e. that they should be:		
		research can be conducted	•		
		into the trustworthiness of the	 additional in that would not have occurred in 		
		scheme	the absence of the project		

		 monitored, reported and verified permanent and irreversible without leakage in that they don't increase emissions outside of the proposed development Have a robust accounting system to avoid double counting and Be without negative environmental or social externalities. 	
Carbon Action Pla 054]	The CAP lacks an effective mechanism to ensure that carbon reductions align with the Applicant's proposed targets. The Environmentally Managed Growth Framework will address this gap by implementing controls that limit further growth unless carbon reductions meet the established targets.	The measures in the Carbon Action Plan are too weak and will not allow for effective monitoring of the Greenhouse Gas impacts of construction and operating the NRP. The CAP lacks an effective mechanism to ensure that carbon reductions align with the Applicant's proposed targets. MSDC would support the imposition of a further requirement setting a carbon gap, either through a Requirement of the DCO or the JLA EMGF.	Not Addressed

	TOPIC: Traffic and Transport				
	Principal Issue in Question	Concern held	What needs to change/be amended/be included in order to satisfactorily address the concern	Likelihood of concern being addressed during Examination	
28	Surface Access Commitments (SACs) and target mode shares	Concerns are held about the SACs that underpin the creation of a new Surface Access Strategy and the approach to meeting and monitoring these commitments. There is considered to be a lack of detail and robustness to the SACs and lack of clarity or suitable control should the SACs not be met. The Highway Authority is advocating an alternative approach similar to that adopted by Luton Airport to control growth against meeting surface access modal splits. The specific concerns, relating to the SACs, are set out in the Joint West Sussex LIR but include: Commitment 1, to ensure 55% of passenger journeys is made by public transport is not considered ambitious or of sufficient challenge. Prior to the	[REP4 050] and will provide fuller Framework at a later deadline. The MSDC Position is as per that of WSCC as Highways Authority, as set out below: Concerns are held about the SACs that underpin the Surface Access Strategy and the approach to meeting and monitoring these targets. There is considered to be a lack of suitable control should the SACs not be met. Whilst the ExA's revisions to requirement 20, which are supported by the Highway Authority, and the Applicant's supplements to the SACs, are considered to be improvements, in themselves they are not considered sufficient to provide appropriate controls that the mode share commitments will be met and that suitable and		rmatted: Font: (Default) Arial, 11 pt rmatted: Line spacing: single

controls to ensure compliance with the mode share commitments. Pandemic the airport The Highway Authority considers that the JLA's proposals for achieved 47.8% public EMG, which include clearer, and earlier, checks on whether the transport modal share in mode share commitments will be met, provides a more robust set the 12 months up to of controls to deliver the required outcomes in accordance with March 2020. the Environmental Statement and the SACs. The EMG approach also allows the use of controlling growth at the Airport as a • Target mode shares set mechanism to help meet the SACs. out as Commitments are only set out as The JLA's have also set out the measures and changes they percentages. The would require should the ExA and the SoS not be persuaded of percentages masks trends the JLA's justification for EMG, in relation to surface access. These are set out in REP7-102 and, in light of the material that in absolute numbers and the Applicant submitted at Deadline 8, a further Deadline 9 permit significant submission from the Legal Partnership Authorities, providing increases in car trips to additional points on the drafting of the DCO, which includes and from the airport. changes to requirements relating to the SACs. · Insufficient evidence and iustification are provided to demonstrate how the mitigation proposed can provide sufficient sustainable and active travel infrastructure to successfully meet the some of the target modal Commitments are made in relation to bus and coach service provision. Determination of mode of travel takes into a variety

of factors rather than just provision of service. The Applicant has not assessed or considered the attractiveness of

		modes or how this could be increased. Should the SACs not be met the proposed approach allows for higher levels of vehicular traffic than is targeted by the SACs for a substantial period of time. The Applicant will produce an Action Plan to address the failure to meet the targets. This does not provide sufficient control and the Highway Authority advocate a Green controlled Growth approach, similar to that adopted by Luton Airport. We are also concerned about how they will help deliver improvements to sustainable travel modes in Mid Sussex.			
29.	Lack of Car Parking Strategy	Without an overarching Car Parking Strategy the need cannot be understood and neither can future car parking demand be robustly managed.	Car Parking Strategy to monitor and manage on-site and off-site airport related parking. Updated position (Deadline 5): The Applicant has submitted a Car Parking Strategy [REP1-051], and further information about car parking provision has, most recently, been supplied at [REP4-019] in response to Rule 17 letter. However, MSDC still has concerns about the exclusion of 2,500 passenger spaces through robotic parking from the	Uncertain	

	DCO (applicant proposes that this will come forward PDR). It also has concerns about the omission of some on-airport parking from its parking calculations, which could mean that the parking provision calculations are not accurate, which could have implications for the achievement of SACs. MSDC also has concerns about the level of funding for off-airport parking enforcement that has been offered in the draft S106. This is currently under ongoing discussion through negotiation on the S106 agreement.
	Further detail is provided in the West Sussex Joint Local Authorities Deadline 5 submission "Response to Applicants Deadline 4 Submission"

	Principal Issue in Question	Concern held	What needs to change/be amended/be included in order to satisfactorily address the concern	Likelihood of concern being addressed during Examination
30.	Assessment Methodology out of date data	Several of the baseline data sources in ES Chapter 17 Socio Economic [APP 042] and Appendix 17.9.3 [APP-201] are out of date which is a concern given the reliance on these sources to inform the various assessments. Up to date baseline data should be sourced to inform assessments. This should include obtaining relevant data from local authorities.	Assessment undertaken using up to date information Updated Position (Deadline 5): MSDC note that the Applicant has in some cases revisited its assessments with more recent data. However, in the absence of detailed local level analysis, it is difficult to accurately gauge the local impacts of the project.	Uncertain
31.	Assessment Methodology Consideration of effects at District level	Despite being raised as a gap in the assessment at several Socio-economic Topic Working Group meetings, there is still no assessment of effects undertaken at a local authority level. The impacts of the project on key variables such as employment, labour market, housing (including affordable), social infrastructure and temporary accommodation need to be assessed given they affect both functioning and decision making at the local level.	GAL should undertake an assessment of project impacts on each local authority located within the Northern West Sussex Functional Economic Market Area (FEMA) to adequately understand the extent of impacts at a local level. Updated Position (Deadline 5): No Change. In the absence of detailed local level analysis, it is difficult to accurately gauge the local impacts of the Project.	Uncertain
32.	Magnitude of impacts definition	Appendix 17.9.3 Paragraph 17.4.25 [APP-201] presents tables defining the scale of magnitude of impacts for construction and operational periods of the project. The use of numbers and percentages to quantify impact can be challenging especially given all study areas are different and can be influenced by a number of different factors.	The Applicant should review these numbers to determine their appropriateness given the study areas for the project. The Applicant should also provide the rationale for the job ranges provided. Updated Position (Deadline 5): No change.	Uncertain

		It is not clear how these the ranges were		
		defined to inform the assessment.		
33.	Assessment of impacts on labour supply	Appendix 17.9.3 Paragraph 5.2.14 [APP-201] states that the project is only expected to be a determinant in whether there is labour shortfall or surplus in the HMA for one area (Croydon and East Surrey) where the project tips surplus into supply in a single year. The basis for this conclusion does not appear robust, as based on the analysis the project is shown to exacerbate labour shortfall issues across multiple areas. Furthermore, if underlying inputs in the model are changed to reflect the fact that the labour market is already more constrained as has been modelled, it is likely shortfalls would be greater across many of the areas.	Given the limitations in its approach, the Applicant justify the basis of the assessment which concludes that the project is only expected to be a determinant in whether there is labour shortfall or surplus in the HMA for one area. The applicant should revisit the assessment which should be undertaken at a local authority level. Updated Position (Deadline 5): No change: MSDC's position is as set out at Issue Specific Hearing 9 whereby its Counsel stated that the absence of a local authority level assessment is not a legal deficiency in the ES but is a shortcoming affecting the weight given to benefits within the planning balance related to the socioeconomic assessment. The consequences of the absence of a local level assessment could in some way be alleviated through the ESBS. Negations to secure a S106 that will secure the ESBS are ongoing.	Uncertain
34.	Economic Skills and Business Strategy [APP- 198] – Lack of information on implementation plan, performance, measurable targets, funding and financial	Options identified in the ESBS are not necessarily directly aligned with local specific issues and need. The document states that performance, financial management, monitoring and reporting systems will be set out in detail in the Implementation Plan. It is unclear why the Applicant is unable to provide further details on these arrangements within the ESBS in order to provide sufficient reassurance that appropriate systems will	Updated Position (Deadline 5): The applicant submitted an Implementation Plan (IP) at Deadline 3 [REP3 069]. The applicant has held a further workshop with JLAs to discuss the detail of the IP. It is understood that the applicant will submit a revised IP at a later deadline, taking into account feedback from JLAs. MSDC will provide further comments once revised version is available.	Uncertain

35.	Operational effects	Assessment of operational labour market effects, effects on affordable housing needs to be revisited. We have outlined our concerns above in relation to the magnitude criteria being used for this assessment and the sensitivity grading of this receptor for the LMA and FEMA. The Applicant also hasn't undertaken any assessment at local authority level.	The Applicant should revisit this assessment based on the comments made. The Applicant should also undertake an assessment of impact at local authority level for those authorities based in the FEMA, providing a qualitative commentary to explain the implications rather than just signposting to numeric tables.	Uncertain	
	management, monitoring and reporting. Route map from ESBS to Implementation Plan is not identified.	be in place. The ESBS also provides no explanation on whether it would differentiate between the provision and outputs offered through the DCO vs. provision and outputs offered in a Business as Usual (BAU) scenario. Furthermore, the ESBS does not set out any process for how the Implementation Plan would be developed. Given the Applicant is currently suggesting that the majority of the relevant content for the local authorities will be set out in the Implementation Plan, it is essential that the Applicant provides further details on the process for delivering this.	The Applicant as part of ESBS should provide more detail on potential tailored initiatives that would specifically align with and support local communities. This should include relevant baseline information to demonstrate local need, which should appropriately consider the variations between local authorities. The Applicant should provide some details on performance, financial management, monitoring and reporting which can be developed further as part of an Implementation Plan. The Applicant should also clearly explain the difference of BAU and DCO scenarios in terms of provision & outputs. A route map should be provided which explains the process from ESBS to Implementation Plan, aligned to areas of identified local need and outcomes. MSDC welcomes the updated ESBS and Draft ESBS Implementation Plan which were shared at Deadline 7. These documents have been subject of further updates during negotiation of the S106. Thematic Plans (which are an appendix to the Implementation Plans) have been shared offline with the JLAs, who have had opportunity to comment.		

36.	The approach to analysis of housing delivery does not analyse the full range of inputs required when determining local affordable housing need	There needs to be a more granular assessment of housing delivery in the area, in particular the unmet affordable housing need to inform the assessment.	The Applicant should revisit the assessment and undertake a more granular assessment of affordable housing delivery to take account of existing constraints. Further justification should be provided and reviewed against past performance to substantiate the conclusions. Updated position (Deadline 9): Gatwick Airport is located in an area facing housing pressures. There will be housing impacts during the operational phase but the JLAs agree that these will not require mitigation.	Uncertain	Formatted: Font: Bold
			The Authorities remain of the view that there are impacts that require mitigation in relation to the construction phase.		
37.	Impacts on affordable housing	ES Appendix 17,.9.143 [APP 201] paragraph 7.5.1 recognises that the project is likely to generate demand for affordable rented housing which is greater than the number of homes in the existing stock. If this exercise is done at a local authority level, then the figures are very different and the true impacts at local authority level are being hidden. Secondly, assessment goes on to conclude that despite the demand from the project being skewed towards affordable housing, there are unlikely to be impacts on affordable housing beyond what is	Updated Position (Deadline 5): The council notes the response by the Applicant in REP4-031 to SE.1.15 but considers it cannot be said with certainty that there will be no increase in the need for affordable housing in the North West Sussex Housing Market Area, where there is already a significant unmet need, and remains of the view that a contribution to affordable housing is appropriate. The Applicant should review other potential sources that could inform a more up-to-date understanding of available private rented accommodation. This could include liaison with local authorities in the FEMA. The analysis should also take account of other schemes that could	Uncertain	
		emerging or planned for. However, analysis of completions by local authority (Table 7.4.1) has demonstrated that the delivery frequently does not meet the	need construction workers who may require temporary accommodation.		

		need, and therefore a shortfall is likely. On that basis, the conclusion that the project is unlikely to have any impact on affordable housing demand beyond what is planned for does not appear well founded. The Applicant acknowledges at paragraph 17.9.68 of the Environmental Statement [APP 042] that potential tenure demands associated with the Project are likely to be slightly skewed more towards affordable housing than the existing employment base. Given that Mid Sussex and the wider North West Sussex Housing Market Area, including Crawley and Horsham are unable to meet its existing affordable housing need, and that Mid Sussex, it follows that the Project will exacerbate what is an existing unmet need for affordable housing within Mid Sussex. Further detail is provided in West Sussex LIR Paragraphs 18.76 to 18.80.[REP1-068]			
38.	Construction Phase Impacts on Temporary Accommodation	The applicant's assessment of properties available to privately rent, does not reflect current pressures on the sector. Any increased demand and competition from Non Home Based construction workers for the Project seeking short term private rented accommodation in Crawley, and the surrounding areas will increase the demand pressure still further. This is	The Applicant should review other potential sources that could inform a more up to date understanding of available private rented accommodation. This could include liaison with local authorities in the FEMA. The analysis should also take account of other schemes that could need construction workers who may require temporary accommodation.	Uncertain	

	discussed in further detail in the West	
	Sussex LIR Paragraphs 18.49 to 18.56.	1
	[REP1-068]	1

			have a direct effect on it which MSDC considers has not been		
			properly taken into account.		
40.	The assessment of the potential for noise impact on the Historic Parks and Gardens	The Council is not yet satisfied that there will not be more intensive use of flightpaths that are currently infrequently used (i.e. route 9/WIZAD). The Council is concerned that noise impacts on the Historic Parks and Gardens have not been robustly assessed	Provision of robust evidence regarding the use of Route 9 which can then inform a robust assessment of potential increased overflight and noise on the Historic Parks and Gardens. Updated position (Deadline 5): In [REP4-031], page 94, the applicant set out its response to the JLA response to NV1.10 'WIZAD Departure Route Controls'. We note that, in response, GAL states that the imposition of a limit on the number of aircraft movements that could use the WIZAD route would "act to unnecessarily limit the operations of the airport and the wider benefits that it will provide". Contrary to previous statements by the Applicant, this appears to confirm what the JLAs have always believed, namely that greater planned use of the WIZAD route will be required in order to ensure that the NRP is capable of delivering the full uplift in runway movements claimed contrary to the Applicant's previous claims that its use will remain purely as a tactical offload route [REP3-038,	-Uncertain	
			14.1AF page 192 Upda pdated position (Deadline 9):		
			This has not been addressed by the Applicant who has stated that controls on this route may have an impact on them. However, this is contrary to other statements they have made. For certainty, the Council would like to see a control		
			placed on the route because expansion at the airport will		

	have a direct effect on it which MSDC considers has not been properly taken into account.	

	Principal Issue in Question	Concern held	What needs to change/be amended/be included in order to satisfactorily address the concern	Likelihood of concern being addressed during Examination
41.	The drafting of the draft DCO	As currently drafted the Development Consent Order does not provide sufficient controls to manage development proposals.	The Draft Development Consent Order to be reviewed taking into account the specific comments made in Relevant Representation and (forthcoming) Local Impact Report. Updated Position (Deadline 5): An updated position on the draft DCO was provided at [REP4-062]. Following the publication by the ExA of the proposed schedule of changes to the draft DCO, the JLAs have responded at Deadline 9 (21.08.24).	Uncertain