## HELIDECK LIMITATION LIST (HLL)

The criteria for the design and placement of offshore helidecks have been set to define safe operating boundaries for helicopters in the presence of known environmental hazards. Where these criteria cannot be met, a limitation or restriction is placed in the HLL. These entries are usually specific to particular combinations of wind speed and direction, either restrict helicopter mass (payload), operations suspension in certain conditions or as information.

The HLL is designed for the benefit of the offshore helicopter operators and shall ensure that landings on offshore helidecks are properly controlled when adverse environmental effects or non-compliances are present. On poorly designed helidecks, severe operational restrictions may result, leading to significant payload penalties for an installation operator or vessel owner. Well designed and 'helicopter friendly' platform topsides and helidecks shall result in efficient and cost-effective operations for the installation operator.

HLL shall be documented as part of HOM. It shall contain helideck name, single issuance date or the subsequent review date; statement of the non-compliances and the relevant mitigations, limitations or restrictions. The initial issuance and revisions shall be summited to CAAM for approval.

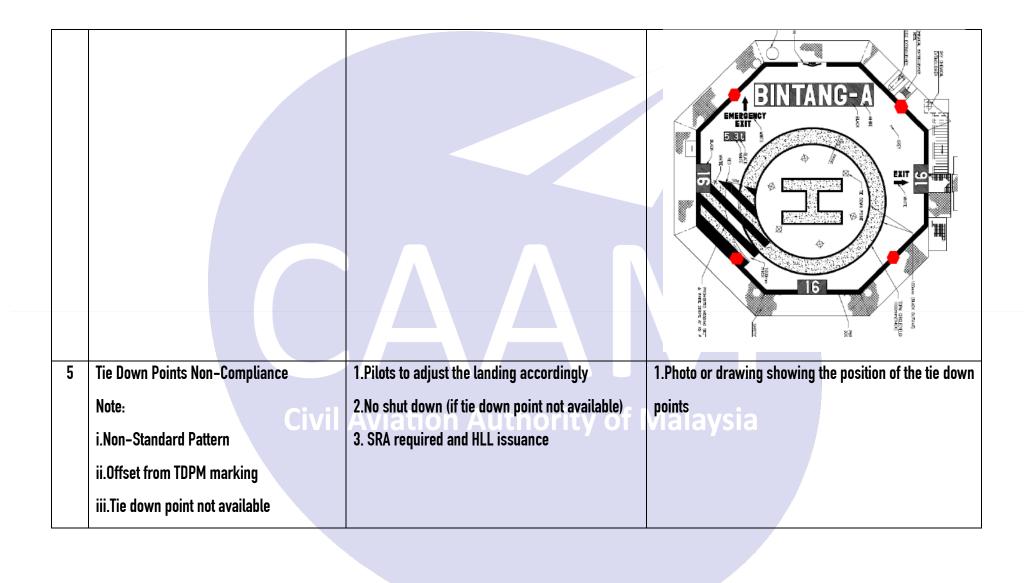
Safety Risk Assessment (SRA) shall be carried out for the determination of hazards and the associated mitigations. The mitigations shall be in place, prior to insertion into the HLL, or else it shall be noted otherwise. For helideck without assigned or specific HSP operations, the SRA shall be conducted by the helideck operator and assisted by the helideck inspectors. Any weight penalty or flight restriction shall be in general until reviewed by the HSP operating at the helideck. HLL is the responsibility of Aerodrome Manager. It has to be issued, reviewed and distributed to HSP whenever there was change to the content.

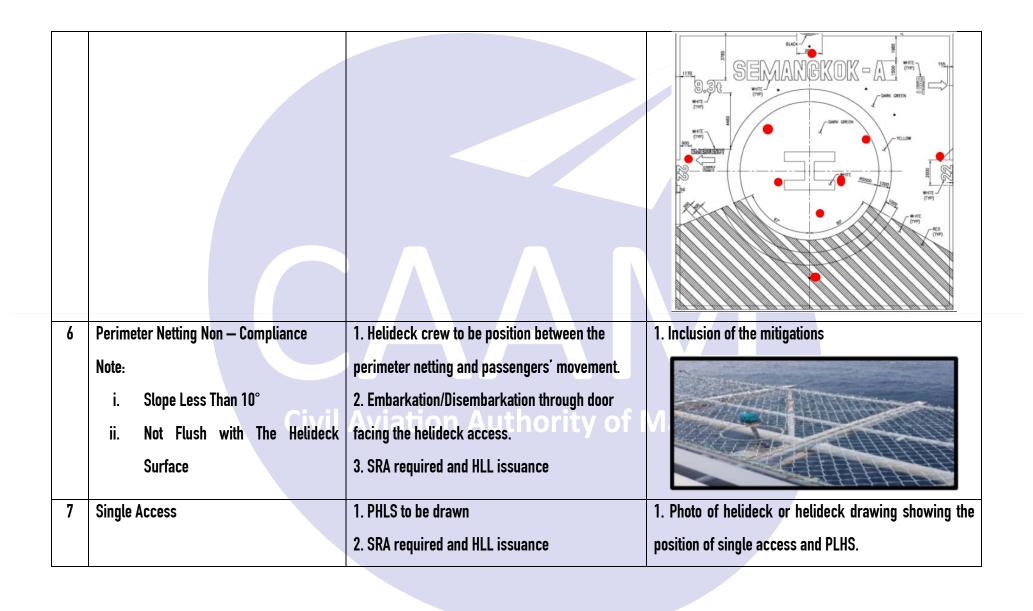
The following is the guideline for the documentation of the HLL. Specified mitigation or restriction shall be as established in the SRA:

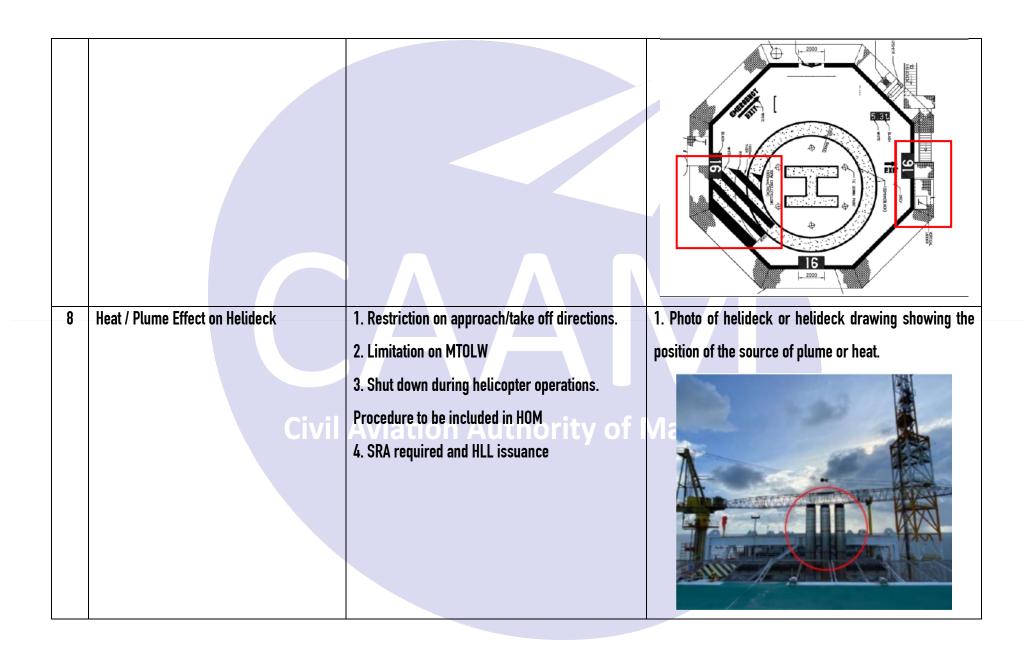
NO	NON-COMPLIANCES (HLL)	MITIGATIONS	DOCUMENTATION
1	210° Obstacle Free Sector Infringement	Relocation or height reduction;	1.Photo of the infringement.
		If unable,	
		1.The infringement to be painted with obstruction	
		marking. Small obstruction shall be painted in	
		red.	
		2.PLHS to be drawn as appropriate.	
		3.The infringement shall be illuminated for night	02/04/2015 17:55
		operations.	2. Photo of the helideck or drawing with the
		4.SRA required and HLL issuance.	infringement marked.
2	150° Limited Obstacle Sector Infringement	Relocation or height reduction;	1 06/7 to 0
	Civil	If unable, the Authority of I	Mala PIPIT A T
	CIVII	1.The infringement to be painted with obstruction	IRONG BARAT – A
		marking. Small obstruction shall be painted in	
		red.	The Man and Ma
		2.TD/PM to be offset	
		3.PLHS to be drawn as appropriate.	

		4.The infringement shall be illuminated for night	3.Statement of the infringement, to include height,
		operations.	position, distance, etc.
		5.SRA required and HLL issuance.	4. Limitation and/or restriction.
			5. For helideck with existing HSP contract, the MTOLW
			limitation is to be inserted (if any)
3	180° Falling Gradient Infrigement	Relocation,	1.Photo of the infringement.
	Civil	If unable,  1. If overfly could not be avoided, restriction on MTOLW shall be imposed to ensure sufficient clearance of the tail rotors in the event of single engine failure during take- off.  2. SRA required and HLL issuance	2.Photo of the helideck or drawing with the infringement marked.

			3.Statement of the infringement, to include length or size, position, distance, etc. 4.Limitation and/or restriction. 5.For helideck with existing HSP contract, the MTOLW limitation is to be inserted (if any)
4	Safe Landing Area Infringement	Relocation or height reduction;	1.Photos of the infringement.
		If unable,	2.Photo of the helideck or drawing with the infringement
		1.The obstruction shall be painted in contrast	marked.
		colour.	
		2.SRA required and HLL issuance	







			<ul><li>2. Direction of approach/take-off restriction.</li><li>3. For helideck with existing HSP contract, the MTOLW limitation is to be inserted (if any)</li></ul>
9	Crosswind Operations	Wind limitation and/or restriction     MTOLW limitation     SRA required and HLL issuance	<ol> <li>The drawing showing the helideck, obstructions and approach/take off path.</li> <li>Wind limitation and/or restriction.</li> <li>For helideck with existing HSP contract, the MTOLW</li> </ol>
10	Chevron Swung	1. Re-marking of the Chevron 2. Re-alignment of the H 3. HLL issuance. SRA not required	limitation is to be inserted (if any)  1. Photo or drawing of helideck with new Chevron and H marking

**Civil Aviation Authority of Malaysia** 

