Document 6: Mesh Condition Assessment		Date:		Reference Number:	
Mine:		Area / Panel:		Split	
CRITERIA	**LOW**	**MODERATE (loaded)**		**HIGH (overloaded)**	
Mesh / loading condition (Assessment on the amount of deformation on the sheet)	No deformation as a result of material build-up Bulging as a result of poor installation	Limited bulging Less than 500mm sag from roof elevation		Severe bulging More than 500mm from roof elevation	
	No deformation to aperture around bolt plates	Limited deformation to aperture around bolt plates		Severe deformation to aperture around bolt plates as well as along edges of mesh sheet	
	No welds strained	Welds strained but none failed due to shear		Shear failure on welds especially close to bolt plates	
	All strands intact	Strands failed in tension (< 20%)		Strands failed in tension (>20%)	
	No mechanical damage (Mesh hooked by equipment)	Limited mechanical damage (< 20% of strands affected)		Severe mechanical damage (>20% of strands)	
	No corrosion	Limited corrosion		Severe corrosion impacting the integrity of the sheet	
	3 block overlap	2 block overlap		1 block overlap	
Failed Material (Assessment on the size of the material as that can be linked to impact severity should failure occur)	Few small pieces Once-off failure within competent roof area	Accumulation of numerous small pieces Isolated slabs Roof above failed material stable and not resting on the failed material. View of roof not obscured (Roof above failed material still visible for inspection) Time dependent failure and potential further loading in mesh		Excessive small pieces Multiple slabs Large slab No opening / gap between failed material and roof - view of roof above material obscured Extend of failure cannot be verified Possibility of multiple layers resting on mesh which can dislodge when mesh fails Expecting further time dependent failure	
Risk Exposure (Assessment on exposure to risk of sudden mesh failure)	No need for access to the area	Occasional access required		Frequent access required	
	Area can be permanently barricaded	Area can be temporarily barricaded and access managed where and when required		It is not possible to manage access through barricading due to the permanent access required.	
	Isolated area where risk is present			Excessive or extensive areas	
	Area can be declared safe	Area can only be declared safe if mitigation is implemented. E.g. Monitoring and additional support		The area can only be declared safe once rehabilitation strategies are implemented.	
ASSESSMENT OUTCOME	**LOW**	**MODERATE**		**HIGH**	
STRATEGY	**No action required Area can be declared safe**	**Install Straps as per procedure**		**Implement bleeding strategy as per procedure or mitigation as recommended through JSA and site-specific risk assessment.**	