Manufacturer Responsible Name LASER LIGHT SHOW EVENT SETUP, LASER LIGHT SHOW EVENT SETUP, LASER LIGHT SHOW EVENT SETUP,									
()	ALIGNMENT, TESTING AND PERFORMANCE PRODUCURES ALIGNMENT, TESTING AND MFR. VARIANCE NO. MFR. VARIANC							
NOTE: No	Locar light show projection system of					or use without an approved			
NOTE: No laser light show, projection system, or device may vary from compliance with 21 CFR 1040.11(c) in design or use without an approved variance in accordance with 21 CFR 1010.4.									
	INSTRUCTIONS								
1.	Check all applicable boxes a		ate federal, state, and						
2	requested information. local authorities before the event. Retain a copy for your records as required 21 4. Follow the documented procedure and controls								
۷.			4.	when performing setup, alignment, testing and					
	CFR 1002.30(a) (1) AND (2) and for preparing product reports as required by 21 CFR 1002.10 and 1002.11.			performance of the laser light show.					
		SHOW LOCATION	, DATES	AND TIME	S				
1. VENUE	NAME								
2. ADDRE	SS OF VENUE (Include ZIP Code)								
3. VENUE	TYPE (Select One)								
	Planetarium or other dome projectio	n structure		Discotheque	or night club				
	Theater			Pavilion	· ·				
	Hotel/Motel ballroom or meeting roo		Indoor Arena						
	Store displays			Outdoor Arena*					
	Trade show or convention			Museum					
	Outdoor unenclosed area*		Ш	Muscum					
* 15 AN 54	Other* (Specify)	OUTDOOD SHOW IT MIL	OT DE ATT	A CLIED TO TH	US DEDORT (See	attached if applicable)			
	AA WAIVER IS REQUIRED FOR AN (
4. NAME A	4. NAME AND TITLE OF EVENT AUTHORIZED REPRESENTATIVE 5. TELEPHONE NO. (Include area code) 6. DATE OF REPORT								
7. NAME OF EVENT LASER SAFETY OFFICER				8. TELEPHONE NO. (Include area code) 9. LSO ID. NO. (If appl					
10. EVENT TYPE					ETUAL EVENT				
	Fixed (Installation/Single Show Setup Mobile (Tour/Multiple Show Setups))		Yes (If yes, sk No	ip 11)				
_	T DATE(S) AND TIME(S) (Attach a co	omplete schedule if neces							
	DATE	STAI	RT TIME			END TIME			
		EVENT DESCR	IDTION A	MDIICE					
13. BRIEF	LY DESCRIBE THE USE OF LASER		APTION A	AND USE					

	Otification Documer	าt .ASER EFFECTS (Check all tha	t annly)			General va		
		ASER EIT ECTS (CHECK all tha	π <i>α</i> ρρι <i>γ)</i> 					
☐ Front so	creen projections			Reflections from stationary mirrors or mirrored surfaces (Beam Matrices)				
☐ Rear so	Rear screen projections			Stationary irradiation of rotating mirror balls, etc.				
☐ Hologra	aphic displays			Scanning irra	adiation of rotating mirror	balls, etc.		
☐ Multiple	e reflection/diffraction eff	ects		Fiber optic projections				
uncontr	Audience Scanning (Includes scanning any accessible uncontrolled areas)			Fog, smoke, or other atmospheric enhancement effects				
□ Other (Specify)					-		
		LASER DEVICE	INFORI	MATION				
5. EVENT UTILIZ	ES THE FOLLOWING L	ASER DEVICES (Attach a comp	plete list if	necessary)				
MAKE	MODEL	WAVELENGTH (nm) OPTICAL POWER (W)	VARIA	NCE NO.	STATE/LOCAL ID. (If applicable)	QUANTITY		
			∤					
			-					
			1					
]					
		EVENT H	ΙΔΖΔΡΩ	S				
6. BEAM HAZARI	DS (Check all that apply		.,,					
☐ Eve and	d Skin hazard from dired	ct	hazard fro	m reflected	☐ High Power	(Class IIIR/4)		
beam	beam or scattered			peam				
∐ UV/Blu	e Light Exposure	☐ Invisible Bear	m		☐ Visible Bean	n		
	7.777							
	AZARDS (Check all that	appiy) ☐ Electrical Haz						
					Hazardous Materials/Waste			
	essed Gasses		Fire			Liquid Cryogens		
	able Materials	Chemical Age	Agents Explosives/Fireworks Trip/Slip					
	ed Space	_	☐ Fall					
☐ Heavy I	_	☐ Loud Noises			Ladder			
☐ Falling	Debris	Ladder			☐ Pinch Points	3		
Other (Specify)							
		PERSONAL PROTECT	IVE EQL	JIPMENT (PPE)			
8. PPE AVAILABL	LE AT THE EVENT LOC	ATION						
Laser Ey	ewear (List all types ava	ailable)						
For this laser			wos	ar this Eyewe	nar .			
MAKE	MODEL	WAVELENGTH(S)	OD OD	ar this Eyewe	VLT	QUANTITY		
		(6)	1 2 2					
☐ Face-sl	nield	☐ Protective Clothing	Glov	/es	Hearing Pr	rotection		
Respira	atory Protection	☐ Hard Hat	☐ Safe	ety Glasses	☐ Foot Prote	ection		
Other (Specify)							

ENGINEERING AND ADMINISTRATIVE CONTROL MEASURES								
19. EVENT HAZARD CONTROL MEASURES (Check all that apply)								
	Controlled area (curtains, barriers, enclosures, etc.)		Posted warning signs		External interlock			
	Cable Covers		Ventilation		Proper Work Base			
	Access control (keys, keycards, etc.)		Alignment procedures		Emergency Stop Device			
	Regular safety check		Scheduling		Communication / Notification			
	Secure Mounting/Strapping		Emission Indicators		Beam Attenuators			
	Clear Work Area		All Beam Paths Visible from Control Location		Beam Blocks/Masks Adjusted			
	Physical Barriers		Show Rehearsal		Equipment Tested (proper operation, alignment, etc.)			
	Non-Beam Hazard Controls		Records Maintained		LSO/Operator Training			
	Visitors / Observer Controls (Specify)							
	Other Controls (Specify)							
ALTERNATE MEANS OF RADIATION CONTROL MEASURES AS SPECIFIED IN THE PROVISIONS OF VARIANCE NUMBER: SETUP, TESTING, ALIGNMENT AND PERFORMANCE PROCEDURES								
20. STAN	IDARD SETUP PROCEDURES FOR LASER			1100	EDUNES			
Securely mount the Laser hardware to the beam or truss, or ensure that any table or surface the hardware is placed on is stationary. Either mounting strategy or placement should be free of movement. Run any cables necessary for proper operation of the Laser hardware. Place any area signage as necessary. Ensure any cables are properly secured so they do not pose a trip/slip or electrical hazard. Verify the Laser hardware permanent beam blocks/stops are in place. Ensure all safety features of the Laser hardware are present prior to energizing the system. Energize the system and ensure that all safety features such as emission indicators and interlocks are fully operational. Ensure the Emergency Stop and Shutter functions properly and instantaneously. Restrict access to trained and authorized Personnel only. Verify appropriate Personal Protective Equipment (PPE) is worn by any remaining trained and authorized Personnel.								
	RTUP, PERFORMANCE, SHUTDOWN PROC							
 □ Turn on any required computer control system and verify any data connection to the Laser Hardware. □ Adjust the permanent Beam blocks/stops to designated open position. Verify the shutter is closed. □ Disengage the Key Switch interlock by turning the switch to the "ON" or "OUTPUT" position. □ Verify the Laser Beam path is free of personnel, objects, tools or instruments. □ Using the lowest possible output power, adjust the Laser Beam to the desired positions. □ Verify any Beam Target/Screen or Beam Stop is free of any unintended specular reflections within the Controlled Area. □ Slowly increase the output power to the desired operating level and verify there are no unintended specular reflections within the Controlled Area. 								
	 Ensure any required hazard controls of the Audience Zone are met, (i.e. 3m height requirement / 2.5m lateral requirement, etc.). Ensure any required hazard controls of the Operator/Performers are met (i.e. All Beams Visible, Exposure Limits, etc.). Verify Beam blocks/stops are properly adjusted and Effects are performed safely and as expected Ensure necessary physical barriers are firmly in place. Ensure the Emergency Stop and Shutter functions properly and instantaneously. Rehearsal (no audience) indicates Laser hardware and safety equipment is working correctly. Audience and Non-Laser Personnel admitted for the duration of the Performance, if applicable. Engage the Key Switch interlock by turning the switch to the "OFF" or "SHUTTER" position. Ensure the keys are removed from the Laser hardware when the system is deactivated or the system is otherwise rendered inoperable. Power down the system. Turn off any required computer system. 							
22. BEAM ALIGNMENT, MAINTENANCE, SAFETY TEST PROCEDURES								
	Follow any recommended procedure as prov Alignment of the internal Laser hardware car Remove jewelry or any potentially reflective of Wear appropriate Personal Protective Equip Ensure no unexpected reflective items are in Avoid looking directly into the output beam, of Ensure all Laser hardware is properly labeled Ensure all Laser hardware is properly labeled Ensure all Aviation Administration (FAA) hadvance, and a letter of no objection obtaine	n only object ment the E even i d and een no as be	be carried out by an experienced Laser te ts from your person during Setup or Shutdo (PPE) at all times when the Laser is Setup Beam Path. If it its scanned or at low power. is certified compliant with 21 CFR 1040.10 otified within 24 hours of the Event. en notified and a Laser Show Report has be	echnicia own. o or Shu 0 and p	n or the device Manufacturer. tdown. ossesses any required variances.			

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EMERGENCY PROCEDURES									
23. EMERGENCY STOP USE									
□ In the event of an emergency situation, the Emergency Stop is used under agreed circumstances. □ Use the emergency stop if there is an immediate eye exposure hazard to Audience, Personnel or Performers. □ Use the emergency stop if there is an immediate risk of an uncontrolled beam. (i.e. Mylar confetti, Flying reflective debris, etc.). □ Use the emergency stop if there is a failure to any mounting structure or platform. □ Use the emergency stop if there is an uncontrolled fire present or electrical hazard to the Laser hardware. □ Use the emergency stop if there is unintended behavior of the Laser hardware which results in a static beam.									
24. ACCIDENTAL EXPOSURE / INJURY INCIDENT									
□ In the event of an emergency, turn off the Laser hardware immediately via computer software or the Emergency Stop. □ Contact the Show Manufacturer, Event Laser Safety Officer and the Event Authorized Representative. □ In the event of fire or life threatening injuries, call 911. □ For others, call local medical personnel or the Venue's local non-emergency line ()									
	SAFETY A	SSESSMENT							
25. LIKELYHOOD OF EXPOSURE/INCIDENT W	TH HAZARD CONTRO	LS (Select One)							
☐ Very Likely ☐ Likel	у	Possible] Unlikely	☐ Very Unlikely					
26. CONSEQUENSES OF EXPOSURE/INCIDEN	IT WITH HAZARD CON	TROLS (Select One)							
☐ Negligible ☐ Mino	r 🗆	Moderate] Significant	Severe					
	CERTII	FICATION							
I CERTIFY that all of the above information and statements are true, complete, and correct to the best of my knowledge and ACKNOWLEDGE that the procedures and control measures provided herein have been reviewed and agreed upon by the parties below in preparation for the Event described in this report. The undersigned agrees this report or a facsimile will function as a quality assurance checklist on the date(s) and time(s) of the Event at the specified Venue. 27. SIGNATURE OF MANUFACTURER AUTHORIZED REPRESENTATIVE 28. NAME (Type or Print) 29. TITLE									
AOTHONIZED NEI NEOLIVIATIVE									
30. SIGNATURE OF EVENT AUTHORIZED REPRESENTATIVE 31. NAME (Type or Print) 32. TITLE									
33. SIGNATURE OF EVENT LASER SAFETY OFFICER	34. NAME (Type or Pr	int)	35. LSO ID. NO. (If applicable)						
POST EVENT REVIEW									
36. REVIEWER NAME 37. REVIEWER TITLE									
38. POST EVENT REVIEW DATE		39. EVENT WAS PERFORMED WITIHIN STATED CONTROLS Yes No (Specify below)							
40. PROVIDE ANY SAFETY FEEDBACK ON THIS EVENT									