HEALTH AND SAFETY
RISK ASSESSMENT FORM

Show	**The White Guard**
Ref	***SL072***
Title	**Show Risk Assessment**

Title *(Task/premises)*	The White Guard – Show Risk Assessment	**Revisions**	Version 01	**Date**	07/03/10
Location/dept	Production		Version 02 – Revisions in red		
Assessor Name(s)	Anna Anderson and Igor		Version 03 – Revisions in green		
			Version 04 – Revisions in purple		
Ref. No	SL072		Version 05 – Revisions in blue		

THIS RISK ASSESMENT APPLIES TO ALL TECHNICAL STAFF AND PERFORMERS FOR THIS PRODUCTION

Generic/Specific	Activity/Plant / Materials	Hazard	Persons at Risk	Comments, existing controls, references used	*Risk Evaluation			Proposed Controls or Action & references required	Carried Out	
					Severity	Likelihood	Rating		By Whom	When
G	Use of firearm	Noise induced hearing loss	Company Audience & Staff	• Anyone who cannot be moved away from the immediate vicinity of the firearms will be fitted and issued with a pair of 'Noisebreaker' ear defenders (BS 5108). • A verbal warning to be given any time a firearm is fired outside of normal performance conditions.	3	2	6	• Firearms will be tested for appropriate noise levels • FOH to be consulted on whether and how to make audience aware.	SM/ H&S FOH manager	Pre Tech
G	Use of firearm	Projectile hitting person	Company, Audience & Staff	• Prior to using any of the firearms the actor will be given training by the senior armourer. • The scene will be blocked so the discharge from the weapon is not directed at anyone or at the audience.	4	2	8	Actors to rehearse and SM to monitor. Armourer to advise and check firearm following any stoppage. Gun plot to detail movements and use of firing and none firing guns, Armourer and SM to be responsible during show.	Armourer/ SM	Through out run
G	Use of firearm	Burns	Company	• Actor will be taught how to correctly hold the fire arm so as not to get burnt by the barrel or discharge.	3	2	6	Armourer to advise SM to monitor	Armourer	
G	Storage of firearm	Misuse or theft	All	• Fire arm will be issued from Armoury to Stage management. SM will keep fire arm locked up until the performance. Once the fire arm has been used it will be locked up again. After the run stage management will return the fire arm to the armoury.	3	1	3			
SG	Use of pyrotechnics	Burns, hearing damage	Anyone with access to space	• See separate Armoury risk assessments for details • These moments will be worked through carefully during the Tech to ensure all persons on stage know exactly where, how and when a pyro will go off and where they should be in relation to it.	5	1	5	The 3 pyros are fired in quick succession over approx 5 minutes. All show staff have been thoroughly briefed and everyone is positioned clear of danger. A large sign is placed outside the one unmanned entrance to stage clearly warning about the explosions. We are investigating whether we can bolt this door locked for this moment.		
G	Movement of Props and Furniture	Impact or collision	All technical staff and performers	• Scene changes will be discussed and rehearsed prior to performance and risks minimised during this process. • Vigilance must be maintained at all times.	3	1	3	Rehearsed during Technical Rehearsal		

G	Smoke	Irritation and visibility	All technical staff and performers	• Extraction air conditioning in use during performance. Smoke fluid supplied by certified company.	1	2	2	The use of smoke will be monitored and assessed during the Tech.	PM	Tech
S	Flown Palace Walls	Failure of rigging.	Anyone with access to stage	• Piece weights have been provided by workshops and rated rigging points / hardware built into pieces. • Pieces will be flown using rated and inspected wires (either from NT stock or ordered from specialist supplier – copy of new certificates in H&S file) and rigging gear in accordance with *LOLER* regulations.	5	1	5	Any wire certificates to be given to Rigging Resources Manager.	PM	
S	Flown Palace Walls	Impact or collision when being flown	Anyone with access to stage	• Usual NT standards and practices relating to rigging and flying apply	4	2	8	The upstage Palace wall is suspended from winches controlled by the Impresario control system located on the d/s/r perch. The piece is only flown in once during the show. This move and moment has been worked through in the Tech to ensure that no one is underneath it when it is flown in. Crew will be stationed as spotters. There is an e-stop with the operator and at fly floor level. The Palace backing flat is on the house cwt system, usual practice applies. In none show/tech operation crew will watch the piece in to ensure no one enters the area, a call of heads on stage will be made.	PM	
S	Flown Gym walls	Failure of rigging.	Anyone with access to stage	• Piece weights have been provided by workshops and rated rigging points / hardware built into pieces. • Pieces will be flown using rated and inspected wires (either from NT stock or ordered from specialist supplier – copy of new certificates in H&S file) and rigging gear in accordance with *LOLER* regulations.				Any wire certificates to be given to Rigging Resources Manager.		
S	Flown Gym walls	Impact or collision when being flown	Anyone with access to stage	• Usual NT standards and practices relating to rigging and flying apply				The Gym walls are flown in during the interval, supervised from stage level. They are flown out during a scene change, this has been worked through carefully during the Tech. In none show/tech operation crew will watch the piece in to ensure no one enters the area, a call of heads on stage will be made.	PM	Tech
S	Flown Attic backing Flat	Failure of rigging.		• Piece weights have been provided by workshops and rated rigging points / hardware built into pieces. • Pieces will be flown using rated and inspected wires (either from NT stock or ordered from specialist supplier – copy of				Any wire certificates to be given to Rigging Resources Manager.		

				new certificates in H&S file) and rigging gear in accordance with *LOLER* regulations.						
D	Flown Attic backing Flat	Impact or collision when being flown		• Usual NT standards and practices relating to rigging and flying apply				The Attic backing wall is flown in during the interval, supervised from stage level. They are flown out during a scene change, this will be worked through carefully during the Tech.	PM	Tech
S	Table appearing through c/s floor trap on scissor lift	Person falling, limbs getting caught	Company/Crew	• Please find method statement attached from Delstar engineering Ltd. • Deadman's switch is situated on side stage. • The pump will only work if pressure is applied to Deadman's switch. • Additional emergency stop wired to Deadman's switch and pump.	3	2	6	The lift is set in it's down position pre show, but is covered by the wagon, as the wagon rolls upstage the lift come up. The hole will only be exposed for approx 4 seconds and during that time no one is in that area of stage.	SM PM	Tech
S	Opening of rear stage shutter	Fire	All	• Rear stage shutter opens twice during performance. Once going into 2.1 and once during the interval and partway through Act 3. • The shutter is opened to allow the rear stage wagon (which the apartment is built on) to truck off and on stage. • Shutter is opened for the minimal amount of time. • An extra fire officer will be employed for the performances. • The crew will be thoroughly briefed in the opening and closing procedure • The sequence and emergency procedures will be thoroughly rehearsed and a chain of command established by the SM.	4	1	4			
G	Smoking and naked flames on stage	Fire	Company NT Staff	• Smoking takes place in two scenes (see attached smoking plot). • Candles are used in several scenes (see attached flame plot). • Cigarettes are lit on stage and extinguished either on stage or off stage into an ashtray lined with KY jelly. Cigarettes are all lit from a metal self extinguishing lighter or matches which are then placed in a metal container. • Stage management will be responsible for the monitoring of cigarettes on stage and for their extinguishing off stage.	3	1	3	In form duty fire officer of smoking on stage.	SM	10/09/09
S	Movement of rear stage wagon	Crushing of limbs	Company NT Staff	• The movement of the rear stage wagon is operated from an automation desk. • In show conditions the operator will only move wagon when cued by DSM. In non show conditions an audible warning	4	2	8	Monitor through tech and modify as required	SM	Tech

				will be given prior to movement and a visual check done. • There will be a spotter watching the movement of the wagon, who is positioned in the rear stage by an E-stop button. • The movement of the rear stage wagon will be thoroughly rehearsed during technical rehearsals. •						
S	Movement of forestage elevators	Crushing of limbs	Company NT Staff	• The movement of the forestage elevators is operated from Stage Technologies automation desk. • In show conditions the operator will only move elevators when cued by DSM. In non show conditions an audible warning will be given prior to movement and visual checks done. There will also be someone sub stage and someone on stage to watch its movement. • There is a deadman's switch sub stage which must be operated in order for the elevators to move. This is sited so the operator has a line of site across the rear of the elevators • Actors will be supervised by a member of NT staff when getting on or off the elevators in the substage • The movement of the elevators will be thoroughly rehearsed during technical rehearsals.				Actors to be briefed about correct procedure for getting into and out of the Attic set on the elevators at sub stage level.	SM	Pre Tech
G	Performers engaging in physical theatre	Increased chance of slips, trips, falls	Company	• Performers occasionally stand on items of furniture. • All items which are stood on have been strengthened as appropriate. • All scenes with physicality have been thoroughly rehearsed in rehearsals and technical rehearsals. • Actors will be encouraged to warm up prior to performance. • Fight sequences have been blocked by Terry King, professional fight director.	2	3	6	Any incidents to be reported by the Stage Manager.	SM	Tech
G	Smoking	Respiratory problems		• Smoking is extremely limited in show. Artistic justification has been given (see attached). • Actors have been given choice between tobacco and herbal cigarettes. • No members of staff are close to company during smoking scene. • Members of audience will be advised that there is smoking in the show prior to entering the auditorium.	2	2	4	Inform FOH staff of smoking during performance.	SM	10/09/08

S	Dust and rubble drops	Risk of bits getting in eyes, risk of respiratory problems	Anyone with access to space	• Small dropper units suspended from flybars triggered on cue to release a small amount of dust (talc) and "rubble" vermiculite. • Actors will be positioned to ensure dust does not fall directly on them and/or instructed not to look up at the given moment. • The small amount of talc poses no respiratory problem.	2	1	2	Monitor through tech and modify as required	SM	Tech
S	Actor "drops" bottle and catches it, cast with bare feet in the area	Risk of broken glass onstage cuts to feet.	Cast involved.	• There is a moment where an actor fakes dropping a wine bottle then catches it, in the same area is an actor with bare feet. • The "drop" of the bottle is very gentle and is broken by hands, the bottle is very sturdy in unlikely to break even if it hit the floor.	2	2	4	Monitor through tech and modify as required	SM	Tech
S	Actor up stepladder in final scene removing Christmas decorations	Risk of falling	The actor up the ladder and other cast members who could be fallen onto	• These movements have been carefully worked out in the rehearsal room. The actor has had the ladder in the rehearsal room to practice with.	3	2	6	Monitor through tech and modify as required	SM	Tech

*** Refer to the National Theatre Code of Practice on Risk Assessment.**	**Signature(s):**

Risk Scoring Key

Severity	
Fatality	5
Major injury, disabling illness, major damage	4
Lost time injury, illness, damage	3
Minor injury, minor damage	2
Delay only	1

Likelihood	
Certain or imminent	5
Very likely	4
May happen	3
Unlikely	2
Very unlikely	1

Risk Rating Categories

10-25	Unacceptable
6-9	Tolerable ?
1-5	Acceptable

Methodology For Controls

Eliminate
Substitute
Reduce
Isolate
Enclose
Other Engineering Controls

Safe System of Work
Training/Communication
Personal Protective Equipment
Discipline & Enforcement