USAREUR Pamphlet 385-15-3

Safety

Port Operations Checklists and Risk Assessment

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For the Commander:

ANTHONY R. JONES Major General, GS Chief of Staff

Official:



MARILYN A. QUAGLIOTTI Brigadier General, GS Deputy Chief of Staff, Information Management

Summary. This pamphlet provides port operations checklists and a generic port operations risk assessment. This pamphlet should be used with UP 385-15.

Applicability. This pamphlet applies to leaders who are planning or conducting port operations in USAREUR.

Forms. USAREUR and higher-level forms (printed and electronic) are available through the USAREUR Publications System (UPUBS).

Suggested Improvements. The proponent of this pamphlet is the Office of the Deputy Chief of Staff, Personnel and Installation Management, HQ USAREUR/7A (AEAGA-S, 370-8084). Users may suggest improvements to this pamphlet by sending DA Form 2028 (Recommended Changes to Publications and Blank Forms) to the Commander, USAREUR/7A, ATTN: AEAGA-S, Unit 29351, APO AE 09014.

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1. INTRODUCTION

- a. Seaports are traditionally busy, congested, and confusing places. As vehicles arrive at the seaport, port personnel will give them a quick visual inspection to identify those with obvious problems and scan the Logistics Application of Automated Marking and Reading Symbols (LOGMARS) label. Vehicles carrying hazardous and sensitive cargo will be separated from the rest of the vehicles and sent to the hazardous- and sensitive-cargo staging areas. The other vehicles will be sent to the vehicle staging areas to be rechecked and have LOGMARS labels rescanned.
 - b. Drivers and assistant drivers will be sent out of the staging areas to an assembly area for transport.
- c. Vehicles must arrive at the time specified in the port message, and everyone must know what to do when the vehicles arrive.
 - d. This pamphlet will be used with UP 385-15.

2. REFERENCES

- a. UP 385-15, Leaders Operational Accident Prevention Guide.
- b. UP 385-15-1, Commander's Convoy Checklist and Risk Assessment.
- c. UP 385-15-2, Commander's Rail-Loading Checklist and Risk Assessment.

3. EXPLANATION OF ABBREVIATIONS

ANSI American National Standards Institute

ATC air traffic control

AUEL automated unit equipment list

CONEX container express

LOGMARS Logistics Application of Automated Marking and Reading Symbols

MILVAN military-owned demountable container

MP military police mph miles per hour MRE meals, ready-to-eat

MTMC Military Traffic Management Command

NCO noncommissioned officer

NCOIC noncommissioned officer in charge

NOTAM notice to airmen PAO public affairs office

POL petroleum, oils, and lubricants

PSA port support activity

SOP standing operating procedures

SPOD seaport of debarkation
TTU transportation terminal unit
UP USAREUR pamphlet
USAREUR United States Army, Europe

4. CHECKLISTS AND TABLES

Leaders and drivers who are planning or conducting port operations will use the appropriate table (a through d below) to help them assess hazards and risks. Paragraph 3 defines abbreviations used in the tables.

- a. Table 1, Leader's Checklist.
- b. Table 2, Driver's Checklist.
- c. Table 3, Port-to-Fort Checklist.
- d. Table 4, Port Operations Risk Assessment.

5. PORT-TO-FORT OPERATIONS

Operations at a seaport of debarkation (SPOD) can be divided into the following parts:

- **a. Ship Arrival.** The key word during this phase is flexibility. Ship arrival time is approximate. After the ship arrives, it will take time to tie it up. After that, customs and other agents must inspect the ship and clear the cargo for entry into the country. Consequently, equipment will not be immediately ready for pickup when the ship arrives.
- (1) As a rule of thumb, figure a half to a full day after ship arrival before off-load operations will begin. Unit movement officers should use the checklist in table 3, part I, to ensure the unit is ready for a smooth off-loading.
- (2) Unit movement officers do not need to wait for ship arrival to determine the unit, type, and condition of cargo on the vessel. The transportation officer can obtain a copy of the vessel-load papers from the Military Traffic Management Command (MTMC). These papers describe the cargo on the ship by type, unit, and condition. Hazardous cargo by type and location on the ship also will be listed. Planning for the return of the unit's equipment can then proceed properly with safety integrated into each step of the process.
- **b. Off-Loading.** A ship off-load operation resembles a cattle drive on the verge of a stampede. This is the most dangerous part of ship operations. Everyone working in or near the port must stay aware of what is going on. Vehicles will be moving out of the ship quickly. Stevedore gangs will be in all the holds unleashing vehicles. Tank engines will fill holds with noise and exhaust fumes even though the ship's blowers will be operating at maximum capacity. In this busy, hot, noisy, smelly environment, leaders and soldiers must ensure that safety awareness maintains top priority. Table 3, parts II and III, lists items to check during this phase of port operations.
- **c. Staging of Cargo.** This phase of the operation occurs at the same time as the off-load phase. Cargo will be parked by unit in the road-march staging area and by type and trainload in the rail-staging area. Vehicle movement into the staging areas is rapid, but the transportation terminal unit (TTU) will have laid out the staging areas; ground guides will direct vehicles into the proper lanes. Table 3, part IV, lists items to check during this phase of the operation.
- d. Departure of Cargo From the Terminal by Road, Rail, or Air. Only after SPOD staging areas are filled should convoy commanders allow their drivers into the staging areas. To do so before the staging-area operation is complete presents a safety hazard because of the rapid filling of the area with off-loaded cargo at the same time that larger numbers of drivers and assistant drivers are milling around or loading specific unit vehicles. TTU reception teams must scan LOGMARS labels for accountability of Army vehicles.
- (1) The staging area is not the place to reconfigure convoys for road march. Convoy commanders should coordinate with the TTU for the location of an area to form up in road-march order. Before departure, convoy commanders should also ensure that every driver and leader receives a road-march safety briefing. UP 385-15-1 provides checklists for convoy operations.
- (2) Rail load-out will begin when the train arrives and the cars are placed on the siding. UP 385-15-2 provides rail operations checklists.

Table 1 Leader's Checklist	
ITEM TO CHECK	YES/NO
• Is there enough water for soldiers? (Estimate 1 day at the terminal although actual time should be less.)	
• Has the unit's terminal control plan been explained to drivers and supervisory teams, including the following items:	
Where drivers and other unit personnel should assemble after parking their vehicles.	
Water point location.	
Latrine locations.	
Trashcan locations for MRE packages and other waste.	
 Has emphasis been placed on unit integrity (keeping everyone together or knowing where they are), NCO control, and prohibitions from wandering around? 	
• Has the unit key control officer coordinated with port operators on availability and location of port key	
control NCOs and officers? (<i>If possible, get a radio from TTU to ensure common communications and quick response by key control personnel.</i>)	
• Have soldiers been informed of how they will depart the terminal and when and where they will be ported?	
• Has a "check team" been assembled to go through the unit's vehicles after all soldiers are assembled to check for mistakes, oversights, items left behind, shackles, and radios left on?	
Was a recall-accountability check performed before departing the terminal?	
• Are only essential personnel being allowed to enter the staging area while it is in use? (<i>Drivers will not</i>	
be allowed to fill out forms in vehicle staging areas while traffic is coming into the staging area. Extra personnel in the staging area cause both safety and control problems.)	
• Have plans been implemented to ensure that no nesting will take place at the port? (<i>Nesting should be taken care of at the assembly area in the field or at the marshaling area.</i>)	
• Have MILVANs and CONEXs been certified as either hazardous or nonhazardous? (This is usually done at the packout in the assembly area where certifications are put on the MILVANs and CONEXs. The certifications sometimes blow off containers on the way to the port. Unit transportation officers or NCOs at the port must replace missing certificates to prevent port personnel from having to open containers to determine their classification.)	
• Have personnel who will be going aboard the ship during the load-out received the following:	
Preboarding ship-safety briefing.	
Helmet or hardhat.	
Hearing protection (earmuffs or earplugs).	
Canteen.	
Steel-toed shoes.	

Table 2	
Driver's Checklist	
ITEM TO CHECK	YES/NO
• Are drivers alert and paying attention?	
• Are driving lights turned on at the terminal?	
• Are ground guides being used for the following:	
Tracked vehicle movement.	
When backing or moving vehicles in congested areas.	
In vehicles 2½-tons or heavier.	
When limited visibility dictates the need.	
• Are ground guides stationary when guiding vehicles (not walking backwards)?	
• Is the proper distance being kept between vehicles?	
• Are vehicles kept away from handling materials (for example, chains or ropes that could snag on a	
cleat or tideway fitting and yank cargo off a truck)?	
• Have vehicles with maintenance problems been reported to port reception personnel?	
• Were radio-whip antennas secured on entering the terminal? Were tracked vehicle antennas removed	
and stored inside hulls?	
• Are main guns of tanks and fighting vehicles in the locked position for travel?	
• Is terminal speed (normally 15 mph) being obeyed?	
• Have personnel and military items been removed from the vehicle?	
• Have items left in the vehicle cab been wrapped, blocked, and braced inside the cab? Are windows	
rolled up?	
• Are all vehicle locked?	
• Are the following rules being observed when driving near port helipads:	
Aircraft have the right of way.	
Antennas must be tied down or removed.	
ATC personnel will provide ground directions. (Drivers will move only when told to do so by ATC	
personnel.)	
Lights must be dimmed.	

Table 3	
Port-to-Fort Checklist	
Part I – Ship Arrival ● As far ahead of time as possible, the unit movement officer should coordinate the following with the port	
• As far ahead of time as possible, the unit movement officer should coordinate the following with the port TTU:	
Ship arrival time.	
Time off-loading will begin.	
When and where to set up maintenance facilities.	
Messing and billeting facilities at port.	
How much cargo will be returned by rail and when and where rail-loading will begin.	
When equipment will be ready for pickup and what procedures will be necessary for equipment	
outprocessing.	
• In addition to the items above, the unit movement officer should	
Plan for a strong maintenance element. (Many vehicles will be deadlined and will need the attention of	
mechanics or recovery equipment to move them off the ship.)	
Plan to be at the terminal when the ship arrives. (Bring maintenance teams to board the ship to begin	
pre- off-load cargo inspection and repair.)	
Determine when and where the port safety briefing will be for driving teams, on-ship maintenance	
personnel, and soldiers involved in shipside rail load-out and fly-out operations.	
Determine how many multi-licensed drivers will be necessary to off-load the ship.	
Bring a golf-cart-type vehicle to help mechanics get their tools and gear around the ship quickly.	
Plan for aviation maintenance support to assist in reconfiguring aircraft for fly out.	
Part II – Off-Loading (PSA)	
• Leaders should use the following guidance to emphasize critical points to the PSA team:	
Begin each day with a safety "tailgate" session. Solicit seen or perceived hazards from soldiers. Do a	
quick hazard analysis and work with soldiers to plan how to avoid the hazards. Report hazards to the	
TTU safety officer. Mentally prepare PSA soldiers for frustration. A ship off-load never goes smoothly. Problems develop	
that cause delays (such as immovable vehicles). Thorough planning can eliminate most problems, but not all	
of them.	
Enforce use of ground guides on the ship. Ground guides are required at the top and bottom of ramps,	
never in the middle. Drivers must know who is the controlling guide.	
Control the ship's ramps. Do not let vehicles proceed while personnel are coming up or down the ramp.	
Rotate on-ship PSA teams with off-ship teams to give people working on the ship a break from the	
noise, hustle, and heat.	
Check soldiers aboard the vessel for symptoms of carbon monoxide poisoning (headaches, fatigue,	
nausea, dizziness, and muscle weakness).	
Tell soldiers to immediately bring problems to their supervisor's attention.	
Tell soldiers that if they see anything life threatening they must immediately stop operations and radio	
the PSA supervisor or nearest TTU member.	
Warn soldiers not to walk under operating cranes or suspended loads.	
Enforce no-smoking rules. (Smoking is allowed only in designated areas.)	
Part III – Off-Loading (Aircraft)	
• For aircraft off-load operations, the TTU should notify the supporting post aviation officer that aircraft will be off-loaded and request the following support:	
will be off-loaded and request the following support: Aviation maintenance battalion.	
Aviation maintenance battanon. Aviation safety officer inspection of proposed port helipad, maintenance area, and port for hazards.	
Artation safety officer inspection of proposed port nempad, maintenance area, and port for nazards. ATC for temporary port helipads (incl publishing a NOTAM).	
Enough aviation personnel to ensure vehicle control in the area around the port helipad.	
Part IV – Staging of Cargo	
• PSA teams will	
Make sure that plenty of water is available in each staging area and that soldiers drink water frequently.	
Soldiers must use the buddy system to watch for heat injuries.	
Request TTU assistance if moving-unit personnel begin to gather in the working staging area. (<i>PSA</i>	
drivers are hindered by unit drivers loitering in the staging area.)	
Make sure shuttle-vehicle drivers concentrate on safe movement of PSA drivers, not speed. If a pickup	
truck is used as a shuttle vehicle, ensure soldiers sit on the floor of the truckbed, not on the sides.	

Hazard/Activity/Item	Recommended Controls
Load planning	Ensure vehicles and equipment nested in the backs of other vehicles are included in the
	load plan. Plan for blocking and bracing materials, and test the plan before loading and movement.
	Do not overgross prime movers carrying a nested vehicle. Make sure AUEL shows the actual height, length, and weight of the prime carrier and its nested vehicle or built-up.
	Turn in all ammunition and munitions. Check pack pockets and gear pockets for loose rounds.
	Inspect unit gear to ensure no ammunition or other explosives are inadvertently packed
	Establish standards for inspections and retention of war souvenirs.
	Check for animals and insects and kill them.
	On redeployments, check each vehicle for loose rounds or pyrotechnics and munitions tucked into storage compartments.
	Always block, brace, and tie down nested vehicles and equipment. Ship ramps
	sometimes exceed 45 degrees and loose loads may tumble out.
	Make sure nested vehicles have all lifting shackles in place and inspect to ensure that welds on shackle brackets are sound and that shackles, pins, and cotter pins are the right
	size. Carry extra shackles for unit vehicles. (Shackles often disappear, and the vehicle may
	not be shipped without them.)
	Identify lifting shackles by painting the word "Lift" next to them. Paint "Tiedown
	Only" next to tiedown shackles.
	Ensure that AUEL shows proper status of sensitive unit equipment or hazardous cargo.
	Identify hazardous classes of cargo and eliminate compatibility problems. Make sure
Su	the unit AUEL accurately lists which vehicles contain sensitive or hazardous cargo.
	Prohibit storage of loose items in vehicle cabs. Shifting during movement can damage both the item and the inside of the vehicle.
Fort Operations	Load plans must assume vehicles will be deck-loaded and not loaded in dry holds;
5	vehicles, therefore, must be prepared to withstand a constant stream of sea water.
	Use plastic to wrap radios in racks inside vehicles and tracks.
	Adjust vehicle fuel loads so that vehicles arrive at port with tanks no more than three-quarters full. Always check with the departure port Army terminal unit for the latest incountry standards for fuel tank levels and 5-gallon fuel-can levels.
	Make sure all hoses are drained if fuel tankers must be purged and that fuel is drained from generator sets before packing.
	Do not drain POL tanks and hoses onto the ground. Use proper fuel-drain cans and dispose of drainings according to the unit SOP.
	Ensure that vehicles containing compressed gas cylinders (other than fire extinguishers) are placarded on both sides.
	Ensure that oxygen and acetylene cylinders are removed from wreckers and maintenance
	vehicles. (Build bottle racks in a trailer, and secure all unit acetylene bottles in the rack
	CAUTION: Do not overgross the trailer. Stencil the unit designation on each bottle.
	Properly placard the trailer. Ensure that all vehicles are inspected for fuel, oil, and other leaks before loading.
	Ensure that any vehicle with a brake problem has a big steering wheel placard stating:
Load planning -	"CAUTION! NO BRAKES. DO NOT DRIVE. MOVE ONLY WITH TOW BAR." Make sure the AUEL lists the prime mover and its nested vehicle.
overgrossed vehicles	Make sure the AUEL lists actual built-up height, length, and weight.

	rt Operations Risk Asse Hazard/Activity/Item	Recommended Controls
	Load planning -	Ensure that secondary loads are secured to prevent motion-induced damage.
	secondary loads	Do not allow secondary loads to be piled, scattered, or haphazardly placed on vehicles.
0 DS	,	Develop and test load plans before movement to port.
atı		Ensure that LOGMARS and AUEL data list actual "as shipped" weights, not "as
per		published" weights.
Port Operations		Ensure that the weight of secondary loads does not exceed the reported weight of the
0r1		vehicle.
F		Ensure that secondary loads of hazardous materials are listed in LOGMAR data.
		Segregate hazardous cargo.
	Command and control	Appoint a movement liaison team consisting of a team leader, an NCOIC, and an
		administration NCO to
		- Ensure safe and timely processing of unit assets from field assembly areas through
		marshaling areas to the port according to the portcall message.
		- Plan for and ensure drivers get proper rest period.
		- Identify hazards and control measures for port operations.
		- Notify public of convoys, road closures, and routes when possible through the PAO,
		G5, or MPs.
		- Provide a point of contact for safety and operational questions about equipment
		preparation standards for sea movement.
		- Maintain contact with port operating elements on equipment preparation, U.S.
		Customs and Department of Agriculture standards, and the portcall message.
		- Resolve movement-to-port problems before departure to port.
		- Provide a seaport element to make final vehicle-shipment decisions.
		Establish controlled environments in which personnel are cared for and accounted for
		from start through their time at the SPOD (for example, water points, first-aid station)
		- Keep commanders and participating units informed.
		- Organize maintenance assets to assist PSA in repairing vehicles in marshaling and po
ovement to Port		areas to ensure serviceability and readiness for sea movements. Ensure that the movement liaison team has the following equipment:
0 F		- Handheld radios.
ıt t		- Handneid radios Secure fax.
ner		
ver		Dedicated FM frequency.Dedicated telephone lines at base and port.
MO		1
_		- Dedicated utility helicopter reserved for maintenance and parts flights or command and control.
		Locate the movement liaison team at the assembly area during vehicle preparation and
		at the port during the movement-to-port phase.
		Ensure that the movement liaison team has a marshaling area plan that covers-
		- Receiving convoys.
		- Refueling/defueling vehicles to Coast Guard limits and arrangement for excess fuel
		storage.
		- Performing unit and direct support maintenance before staging.
		- Providing final technical inspection to ensure that all vehicles are ready for sea
		movement.
		- Pre-staging vehicles by unit or type.
		- Dining and sleeping areas.
		- Latrine facilities.
		- Administrative support.
		- Positive personnel control.
		- Spot-checking vehicle preparation and LOGMARS labels.
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Hazard/Activity/Item	Recommended Controls
Leader checklist	At the start of each day, go over standard ground-guide safety procedures and hand-and-arm signals. Stress ground guide use in the motor pool and the vehicle-preparation area.
	Carry enough water for your soldiers. Estimate 1 day on terminal.
	Explain unit terminal control plan to all driving supervising teams (for example,
	assembly points, water points, latrines, trashcans for MRE packages).
	Stress unit integrity, NCO control, and that soldiers should not wander.
	Unit key control officer must coordinate with port operators on availability and location
	of key control NCO or officer. Get a radio from the TTU to have communications and quick response by the key-control team.
	Explain how soldiers will depart the terminal and when and where they will be
	transported.
	Have a final check team go through unit vehicles after all soldiers are assembled. Check
	for mistakes, oversights, items left, shackles, and lights or radios left on.
	Before departing the terminal, perform a rollcall accountability check.
	Allow only essential personnel to enter staging areas while staging areas are filling.
	Do not allow drivers to fill out forms in vehicle staging areas while vehicles are
	arriving. This puts drivers and assistant drivers in the same place that port personnel are
	using to move cargo rapidly.
	Do not plan to do nesting at the port. Nesting should be done at the assembly area or marshaling area.
	MILVANs and CONEXs must be certified as either hazardous or nonhazardous. Do this
	at the pack-out in the assembly area where certifications are put on. Have the unit
	transportation officer or NCO at the port replace any that blow off.
	Personnel going on board ship must have a pre-boarding safety briefing, a helmet or
털	hard-hat, hearing protection (plugs or muffs), and a full canteen.
Driver checklist	Keep alert at all times.
18	Turn on driving lights while in the terminal.
8 	Use ground guides (see ground guides below).
	Keep correct distances between vehicles.
▼	Keep vehicles free from hanging materials (such as chains or ropes that could snag a
	cleat or tiedown fitting and yank cargo off the truck).
	Report vehicles with maintenance problems to port reception personnel.
	Secure antennas.
	Put main guns of tanks and fighting vehicles in travel lock.
	Obey terminal speed limits.
	Do not leave any personal or military items in vehicles.
	Anything left has to be wrapped, blocked, and braced.
	Make sure windows are rolled up and vehicles are locked.
	If near the port helipad, aircraft have the right-of-way, antennas must be down, look for
	ATC people giving ground directions, proceed only when told to do so by ATC
	personnel, and dim lights.
Dockside - Fire	Coordinate with local fire departments for coverage.
protection	Optimize use of available extinguishers.
	Ensure firefighters are aware of the types of hazardous materials being loaded so they
	can be prepared with the proper extinguishing equipment and material.
	can be propored with the proper extinguishing equipment and material.
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	rt Operations Risk Asses Hazard/Activity/Item	Recommended Controls
	Dockside - Ground	Require and enforce the use of ground guides.
	guides	Ensure all drivers are trained in proper use of ground guides and all personnel are
		trained in how to act as a ground guide.
		Ground guides must stay at the sides of the vehicle they are guiding, never in the
		vehicles path (to prevent being crushed between vehicles).
		Personnel will never walk backwards while ground guiding.
		Use ground guides whenever moving vehicles in congested areas; require two ground
		guides when backing or when vision is restricted.
		If operations are performed at night, ensure ground guides have reflective belts and
		flashlights or chemical lights.
	Dockside - Materiel	Identify and use trained and certified personnel.
	handling equipment	Train additional operators for long-term operations.
	Dockside - Personnel	Have qualified Navy or MTMC personnel provide briefings.
	unfamiliar with	Conduct familiarization tours.
	shipboard and dock	Conduct hands-on training on chains and locking devices. Warn personnel about getting
	environments and Navy or Marine instructions,	body parts pinched or caught between wires, cables, or other tiedown equipment. Warn
	signals, and alarms	about the "whip effects" of released chains and cables.
	signais, and alarms	Mark "go" and "no-go" zones.
	D 1 11 D 1 1	Keep unsupervised personnel away from operations.
rt	Dockside - Protective	Replace kevlar with ANSI hardhats if possible.
Po	equipment	Do not use kevlar for electrical work.
Arrival at Port		Issue and enforce the use of leather or leather palmed gloves.
val		Issue hearing protection devices.
ī		Use steel-toed boots whenever possible. Warn personnel of foot hazards.
A		Issue goggles to personnel if block and bracing will require nail driving or sawing of
		wood.
	Dockside - Slingloads	Include reflective belts for night or bad-weather operations. Attach slings only to proper lift points.
	Dockside - Silligioads	
		Inspect loads for proper rigging before each lift. Ensure that personnel remain clear of suspended loads.
	Shipboard - Embarked	Inspect embarked vehicles to ensure that lights and master switches are off.
	vehicles	Require operators to turn lights and master switches off after embarking vehicles.
	Shipboard - Internal	Ensure that soldiers wear serviceable boots.
	shipboard ramps (poor	Minimize one-person loads; use the buddy system.
	traction and lack of	Do not allow personnel to run.
	guardrails)	Warn personnel to stay clear of edges of ramp and stay off moving ramps.
	<i>Sum uz uzza)</i>	Do not allow soldiers to lie on, under, or between vehicles.
	Shipboard - Carbon	Ensure proper ventilation; coordinate with ship's crew.
	monoxide in vehicle	Minimize use of engines.
	holds	Keep time spent in holds to the minimum necessary.
	Shipboard - Moving	Use lights as directed.
	heavy and large	Use ground guides.
	equipment through tight	Use only experienced drivers.
	doors and hatches	Immediately report any contact with watertight doors.
		immediately report any contact with watertight doors.