MARINE CORPS ORDER 3000.11E

From: Commandant of the Marine Corps
To: Distribution List

Subj: GROUND EQUIPMENT CONDITION AND SUPPLY MATERIEL READINESS REPORTING (MRR) POLICY

Ref: (a) DOD Instruction 3110.05, "Readiness-Based Material Condition Reporting for Mission-Essential Systems and Equipment," September 25, 2006
(b) MCO 3000.13E
(c) MCO P4790.2C
(d) MCO P4400.150E
(e) MCO 5311.1D
(f) MCO P4400.82F
(g) UM 4790-5
(h) MCO P3000.17A
(i) NAVMC 2907
(j) MCBUL 3000 (canc: Feb 12)
(k) SECNAV M-5210.1

Encl: (1) Resource Reporting Methodology
(2) Detailed Equipment Readiness Reporting

1. Situation

   a. To outline requirements for the reporting of ground equipment condition and supply materiel readiness within the Marine Corps. Logistics functional management is the responsibility of the Deputy Commandant (DC), Installations and Logistics Department (I&L), and under the staff purview of the Logistics Plans, Policies, and Strategic Mobility Division (LP).

   b. This directive provides further clarification and guidance to support effective materiel readiness reporting requirements per references (a) through (k). Commanders within all activities will report Marine Corps Materiel Readiness in accordance with references (a) through (g) and this Order in order to provide an accurate readiness picture of their available assets and capabilities.

2. Cancellation. MCO 3000.11D.

3. Mission

   a. This Order clarifies materiel readiness reporting procedures, and provides logistics information reporting guidance in support of capabilities based assessments and operational readiness reporting through Department of Defense systems such as the Defense Readiness Reporting System-Marine Corps (DRRS-MC). Logistics information systems and force structure requirements systems contain information relevant to resource management, equipment condition/equipment availability and requirements. This information alone

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does not provide an assessment of capabilities. This policy includes amplifying guidance for reporting the temporary reassignment of readiness reportable assets in support of task organized units as defined in paragraph 4.a.2.a.3.

b. This Order provides the framework to present objective, relevant and accurate logistics information for Marine Corps units and selected commands. Additionally, this Order outlines the process for retrieval, integration and processing of essential and authoritative data through various systems to:

(1) Reflect the current operational condition of reportable ground equipment and supply inventories by reporting activities. Readiness Reportable ground equipment is identified and published annually in the Marine Corps Bulletin reference (j) series.

(2) Present an overview of the effectiveness of maintenance programs and supply chain management procedures in support of ground equipment reporting.

(3) Provide data that reflects the measure of an organization's equipment inventory compared to its mission requirements. The "S" rating (equipment availability) indicates the ability of supply chain to support equipment requirements.

(4) Provide data that reflects the measure of an organization's operational equipment availability. The "R" rating (equipment condition) indicates the condition of the equipment an organization has on-hand, without regard to that organization's equipment requirements. Represented as a percentage, the R-rating is the equipment on-hand minus the equipment deadlined divided by the equipment on-hand. Specific guidance on the formula for calculating the Supply/Equipment On-Hand Readiness ('S'), Maintenance/Equipment Condition Readiness ('R'), and Materiel Readiness ('MR') ratings can be found in enclosure (1).

(5) Provide an overall assessment of a unit's MR rating in order to measure the overall equipment readiness at various levels (i.e., Functional Area (FA)/equipment type/organization, etc.) within the Marine Corps as defined by enclosures (1) and (2). Numerically, the MR of a unit is represented as equipment on-hand minus the quantity of equipment deadlined divided by the Table of Equipment (T/E) quantity. (See enclosure (1))

4. Execution

a. Commander's Intent and Concept of Operations

(1) Commander's Intent. The Marine Corps shall maintain policy to provide the business rules that support ground equipment condition and supply materiel readiness reporting through logistics information systems and Department of Defense systems.

(2) Concept of Operations

(a) Definitions. Numerous systems and reports contain similar and often redundant information required to accurately sustain, manage and account for equipment. The following guidance applies, providing clarity on information and sources.

1. The T/E is the total wartime requirement for each Table of Authorized Materiel Control Number (TAMCN) for designated units as
displayed in the Total Force Structure Management System (TFSMS), whether the unit has been fielded the item or not. The Approved Acquisition Objective (AAO) is the Marine Corps' total equipment requirement registered in TFSMS. T/E will be used as the baseline for asset management.

2. Command Adjustments. To facilitate management and provide flexibility/visibility in asset management systems for Task Organized units, command adjustments will be authorized in writing by the applicable Marine Forces (MARFOR)/ Marine Expeditionary Force (MEF)/ Major Subordinate Command (MSC)/ Supporting Establishment (SE) Commanders. Command adjustments do not change the TE/AAO quantity registered within TFSMS. A command adjustment will add or subtract from the allowance on the Mechanized Allowance List (MAL). In support of proper asset management, supporting units that transfer equipment to "task organized units" are directed to continue reporting against the T/E quantity resident in TFSMS despite any command adjustments made. Command adjustments are not to be confused with the adjust gain/loss function found in DRRS-MC.

3. Task Organized Units. Task organized units are temporary organizations approved by Headquarters Marine Corps (HQMC) and are structured and equipped to accomplish a specific assigned mission. These organizations are generally formed using a designated unit as the core element with augmentation of temporary reassigned personnel and equipment from other organizations based on an assessment of the assigned mission.

4. Possessed. Equipment that is loaded to the accountable property records and on-hand that an organization has will be reported as possessed regardless of the equipment condition or the requirement for the equipment. Equipment that is temp-loaned to a unit for less than 30 days will continue to be reported under the owning unit's possessed numbers.

5. Deadlined. Equipment is considered deadlined when it is not mission capable and cannot perform its designated combat mission due to the need for critical repairs. Routine modifications, preventative checks and services, or lack of noncritical repair parts will not cause a deadline condition. Deadlined equipment should be further categorized in Logistics Information Systems by the nature of the deadline (i.e. non-mission capable maintenance (NMCM) and non-mission capable supply (NMCS)) in accordance with reference (a).

(b) Reportable Equipment Categories

1. Principal End Items (PEIs). PEIs are those items that have been nominated by the MARFORs, Supporting Commands (Combat Development & Integration (CD&I), Marine Corps Systems Command (MCSC), Marine Corps Logistics Command (MCLC)), the applicable HQMC advocates and the Operational Advisory Groups (OAGs). The items selected are of sufficient range to provide an adequate measure of overall equipment status and/or capability for the MARFORs and are listed in reference (j). To preclude gross distortions of equipment status, items whose serviceability/operational capability undergo frequent inspection or which can be readily replaced by the unit's first source of supply are not included in this list (e.g. rifles, pistols). Non-reparable items are also excluded from readiness reporting.

2. Mission Essential Equipment (MEE). MEE is a subgroup of PEI, and are listed in reference (j). MEE are items of equipment whose availability is essential and indispensable for the execution of the Mission Essential Tasks (METs) of the unit in support of a Combatant Commander.
Items designated as MEE are of such importance that they are subject to continuous monitoring throughout the Department of Defense (DoD).

a. MEE weapons systems are identified in enclosure(1) of the reference (j), in the MEE column.

b. MEE weapons systems may be a low-density piece of ground equipment. Therefore, small changes in quantities on-hand or equipment condition can lead to wide fluctuations in a unit's "S", "R" and/or "MR" ratings.

c. Materiel Reporting/Operational Readiness Reporting Relationship

1. Operational readiness reporting systems (i.e. DRRS-MC) capture readiness for deployable organizations and installations using resource based and METs based reporting criteria. Readiness is the synthesis of two distinct but interrelated levels: Unit Readiness and Joint Readiness. Marine Corps readiness reporting systems provide information to downstream Joint and DoD readiness systems that give the Joint Staff and Office of the Secretary of Defense (OSD) visibility on the readiness of the Marine Corps total force and its ability to fight and meet the demands of the national military strategy. Logistics information systems reflect the equipment condition, and inventory posture of the Marine Corps' reportable MEE and PEIs. This information provided by logistical systems is used to help determine a unit's ability to provide quantities and quality of equipment to accomplish its missions.

2. Possessed equipment and equipment condition (i.e. on-hand and deadline quantities) reported in logistics information systems will be used to support organizational readiness reporting. It is imperative that the reporting organization’s logistics and operations sections conduct regular internal reconciliations to ensure the accuracy of the data and information contained within their respective systems and reports.

3. The organization’s logistics section(s) will validate the equipment requirement (i.e. T/R or total requirement of an approved task organized unit) and on-hand quantities to be used in both the unit’s materiel readiness reporting as well as the unit’s operational readiness reporting when providing information to the organizations operations section.

4. MEE is individually reported in DRRS-MC and is listed in the Joint Staff Global Major Equipment (MEQPT) File and in DRRS-MC. This file is maintained by the Readiness Branch, Deputy Commandant, Plans, Policies, and Operations, Department (PP&O, POR).

5. Readiness Rating Computations. Equipment rating percentages that appear in an organization’s logistics information systems and reports are computed using the formulas and methods discussed in this Order, articulated in enclosure(1).

(d) Nomination and Review of Readiness Reportable Equipment

1. The intent of reference (j) is to capture the best sampling of equipment that represents the Marine Corps' ability to perform its mission.

2. Before items can be included in reference (j), the following criteria must be evaluated. TAMCNs nominated for inclusion may or
may not meet all/some of these criteria. The adjudication process makes the final determination which TAMCNs are or are not included on the list of reportable TAMCNs (reference (j)):

a. TAMCNs have been placed in service by MCSC and are supportable through publications, training, supply chain or contractor logistic support.

b. Newly fielded equipment that is designed to replace a like capability/legacy TAMCN (e.g. M198 and M777) may be considered for addition to reference (j) as long as collectively the items have been fielded to 65% of the Operating Force’s T/E.

c. Newly fielded equipment with new capability, not replacing a legacy TAMCN, must be fielded to 65% of the Operating Force’s T/E.

d. Every reporting unit will have at least one PEI and/or MEE.

e. TAMCNs must have an AAO as determined by the Expeditionary Force Development System (EFDS) process.

3. Changes (additions/deletions) to the reportable PEI/MEE equipment lists will be solicited and reviewed annually. A revised list of reportable TAMCNs will be identified annually and published annually via reference (j).

4. DC, I&L Logistics Plans and Operations (LPO) will solicit nominations for additions/deletions to reference (j) via official channels. Commands should vet recommended changes through their MARFORS/OAGs who will provide a detailed rationale for all proposed changes.

5. A panel consisting of HQMC advocates (i.e. PP&O, I&L, Aviation, CD&I, Command, Control, Communications and Computers (C4) and Intelligence) will approve additions/deletions to reference (j).

6. Since the impact of changes to the MEE items list is far greater than that of PEI, proposed changes must undergo a rigorous review during the approval process. Accordingly, MARFOR Commanders will include a detailed rationale for the proposed change and will address the need for reporting the equipment in relation to the unit’s mission, current and anticipated threats, current doctrine, and supportability. Additionally, MEE should meet the following additional guidelines:

   a. Match a core MET.

   b. Be essential and indispensable to the unit’s mission.

   (e) TFSMS. TFSMS is the Authoritative Data Source (ADS) for equipment requirements information used for materiel readiness and operational readiness reporting, to include MEE and PEI equipment T/E quantities to be used as the baseline for all equipment requirements.

   1. Units that are not task organized will use the T/E quantities from TFSMS as their equipment requirements for materiel readiness and operational readiness reporting.
2. Logistics systems of record containing the accountable property records (i.e. Global Combat Support System - Marine Corps (GCSS-MC) and Supported Activities Supply System (SASSY)) for the reporting organization will be used as the source for possessed equipment inventories in materiel readiness reporting and operational readiness reporting.

3. Only logistics information systems of record, containing records which reflect the reportable equipment’s operational condition (i.e. GCSS-MC and Marine Corps Integrated Maintenance Management System (MIMMS)) will be used as the source for deadlined equipment quantities.

(f) Detailed Reporting. Accurately reported requirements, on-hand inventories and operational equipment quantities determine the reported ‘S’, ‘R’ and ‘MR’ ratings. Guidance contained in this Order is critical in providing the detailed information required for visibility of information to commanders at all levels.

(g) Special Reporting Instructions

1. Designed Mission Units. Per paragraph 4.a.2.a.3 of this Order, designed units reporting ‘MR’ for their core mission will report using the following guidance.

a. Report under the assigned Unit Identification Code (UIC), unit name, MARFOR/MBF and MSC.

b. Per paragraph 4.a.2.e of this Order, report the T/E quantities (as listed in TFSMS) indiscriminately, as the reported requirement equipment quantity for each reportable PEO and MEE item on the units Equipment Status Report (ESR) or LM2 report for those units still using MIMMS.

c. Temporary Reassignment of Reportable Equipment. Whether in support of a HQMC approved task organized unit, or to facilitate training and flexibility in sustainment, management and visibility of assets; temporary equipment reassignments may be directed/authorized in writing by the applicable MARFOR/MBF/SE Commander. Although these temporary equipment reassignments may adjust allowance quantities in logistics systems, designed units are directed to continue reporting against their T/E quantity despite loss of assets.

d. Report accurate possessed quantities per reference (d) and paragraph 4.a.2.e of this Order.

e. Report accurate equipment condition and operational availability per reference (c) and paragraph 4.a.2.e of this Order.

2. Task Organized Units. Task organized units will report materiel and operational readiness for their assigned mission using the following guidance.

a. Report under the assigned UIC, Unit name, MARFOR/MBF/MSC.

b. Approved task organized units will adjust their reported overall requirement (denominator in the ‘S’ rating calculation), using their organizations approved requirements per paragraph 4.a.2.a.3 of this Order.
b. Subordinate Element Missions. Responsibilities are vested with the DC, I&L; Commanding General (CG), CD&I; CG, MCLC; CG, MCSC; and the MRFOR Commanders as follows:

(1) DC, I&L

(a) Approve Materiel Readiness policy in support of Operational Readiness Reporting (i.e. DRRS-MC).

(b) Update reference (j) and provide changes via message, as needed, for any Weapon System Group Code changes caused by equipment being replaced by another weapon system.

(c) Evaluate reporting procedures used by MRFOR units.

(d) Represent the MRFORS for materiel (ground equipment) readiness inquiries to external agencies (e.g. DoD and Congress).

(e) Participate in the tailoring process described in reference (h) as required and ensure reference (i) is published annually to update Authorized Allowances for Prepositioning Program files with DC, PP&O, Plans and Operations Readiness (POR) UIC files.

(f) Coordinate UIC file change requests for submission to CG, MCSC to reflect ship activations and squadron reorganizations. Input transactions and distribute updated UIC, ID and TAMCN standards files based on information provided by HQMC and each MSC.

(2) DC, CD&I

(a) Review, validate, and approve changes to T/E allowances through the application of the TFSMS T/E Change Requests (TOECR) process.

(b) Oversee the T/E quantities within TFSMS to correctly reflect up-to-date Tables of Equipment.

(3) CG, MRFORS

(a) Coordinate UIC, ID, TAMCN file requests for submission to CG, MCSC to reflect unit activations, deployments, deactivations and reorganizations.

(b) Ensure subordinate units provide timely readiness reporting updates and conduct required equipment validations/reconciliations.

(c) Establish procedures for deployed automated data support requirements to ensure adequate and timely support for MRFOR units.

(d) Ensure equipment condition status transactions are submitted daily.

(e) Provide logistics issues or TAMCN nominations to MCSC and MCLC for the Quarterly Readiness Board (QRB) as required or directed.

(4) CG, MCLC

(a) Provide logistics data management support to update the reference (j), as directed.
(b) As directed, provide readiness management analysis in support of inquiries from HQMC and external agencies to include, but not limited to: Joint Force Readiness Report (JFRR), Quarterly Readiness Report to Congress (QRRC), Quarterly Readiness Board (QRB), Senior Readiness Oversight Council (SROC), Congressional Testimony, etc.

(c) Oversee and support daily inventory and condition reporting on Maritime Prepositioning Ships (MPS) and Marine Corps Prepositioning Program-Norway (MCPP-N) equipment.

(d) Establish Maritime Preposition Force (MPF) equipment requirements for materiel readiness reporting.

(e) Establish timelines and event triggers for MR reporting during the MPF maintenance cycles.

(f) Conduct daily materiel readiness reporting for MPS and MCPP-N assets, to include assets downloaded for MPF maintenance cycles and organic assets held by the command per enclosure(1).

(5) CG, MCSC

(a) Conduct monthly reconciliation of the materiel databases. The reconciliation will be announced by message at least 15 days prior to the prescribed cut-off date.

(b) Provide readiness management analysis in support of inquiries from HQMC and external agencies to include but not limited to QRRC, QRB, SROC, and Congressional Testimony.

(c) Conduct annual reconciliation with DC, CD&I of valid UICs and maintain the UIC standards data file.

(d) Coordinate with MCLC for data reviews supporting materiel readiness reporting (TAMCN, ID Number, UIC) requirements.

(6) Commanders of Reporting Organizations

(a) Responsible for the accuracy of logistics information system records and must continually endeavor to achieve the maximum materiel readiness given the resources at their disposal.

(b) Perform required validations/reconciliations to ensure that records are accurately tracked, recorded and reported in logistics systems.

(c) Commanders will provide procedures to clarify local requirements for equipment tracking and remarks.

(7) Non-Reporting Units

(a) Marine Corps Installations East, West and Western Pacific. Marine Corps Installations are required to report equipment condition and availability and are not authorized to deviate from approved logistics directives and manuals. This includes equipment listed in the reference (j) held by Marine Corps Installations (e.g., equipment allowance pools, depots, maintenance floats, schools, etc).

(b) Cadre Units. Upon activation, cadre units will report materiel readiness status at the battalion level when the unit has no
maintenance or asset accountability capability (e.g. Fleet Anti-Terrorism Security Team (FAST) Company has no maintenance capability and would report under Marine Security Guard Battalion’s UIC). A statement will be provided that identifies the unit as cadre and the authority for establishment of the cadre status.

5. **Administration and Logistics.** Records created as a result of this directive shall include records management requirements to ensure the proper maintenance and use of records, regardless of format or medium, to promote accessibility and authorized retention per the approved records schedule and reference (k).

6. **Command and Signal**
   a. **Command.** This Order is applicable to the Marine Corps Total Force.
   b. **Signal.** This Order is effective the date signed.

F. PANTER  
Deputy Commandant for  
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Resource Reporting Methodology

1. Overview. The equipment status percentages that support a unit's reported material and operational readiness will be computed utilizing the unit Table of Equipment (T/E) and the formulas and methods discussed below. In determining a unit's T/E, the Total Force Structure Management System (TFSMS), Equipment Rollup Report by AAC will be utilized. This report provides the complete inventory of equipment and further identifies its reportable status (Reportable (R) MEE (M), Non-Reportable (N)).

2. The calculations for 'S', 'R' and 'MR' ratings are based on the following guidance:

   a. Reportable PEI percentages are based on all items to include MEE listed within reference (j).

   b. MEE item percentages are based only on those items listed as MEE within enclosure (1) of the reference (j).

   c. Locally tracked items or commanders items of interest are not to affect the individual TAMCN or overall calculations for unit readiness.

3. Single Table of Authorized Material Control Number (TAMCN) Computations. Use the following equations when MR is calculated for a single TAMCN at any given unit level. The intent is to show excess in the TAMCN and percentages over 100% are allowed.

   a. Supply/Equipment Possessed (On-Hand) ('S') Rating Percentages. The "S" Rating is the ratio between the equipment that is possessed and authorized (T/E). This rating is derived by dividing the total number of items possessed (On-Hand), by the total number of items authorized (T/E) as demonstrated by the formula in para (3.a.(3)).

      (1) The T/E will be used as the required equipment quantity (denominator) for a unit's Core (designed) Mission.

      (2) The Total Requirement, as determined by the organizations EDL will be used as the T/E (denominator) for task organized units with assigned missions per this order.

      (3) This rating is obtained by dividing the total number of items possessed (On-Hand) by the total number of items required.

\[
S = \frac{\text{Possessed}}{\text{Authorized}}
\]
When calculating the S-rating, if the total Requirement = 0 and possessed (On-Hand) = 0, then S = 0%.

b. Maintenance/Equipment Condition ('R') Rating Percentages. This rating is derived by subtracting the total number of deadlined items from the total number of items possessed (On-Hand), then dividing the difference by the total number of items possessed (On-Hand), as shown below:

\[
R = \frac{\text{Possessed} - \text{Deadlined}}{\text{Possessed}}
\]

When calculating the R-rating, if possessed (On-Hand) = 0 and Deadlined = 0 then R = 0%.

c. Material Readiness Rating Percentages ('MR'). The measurement of an organization's MR posture. This mathematical relationship is the measure of effectiveness, which reflects the operational capability of Marine Corps ground materiel. The MR percentage can never be greater than the S percentage.

\[
MR = \frac{\text{Possessed} - \text{Deadlined}}{\text{Authorized}}
\]

When calculating the MR-rating, if Requirement = 0 and Possessed and Deadlined = 0 then MR = 0%.

4. The basic formulas are applied differently when calculating 'S' and 'MR' ratings at any given unit level. During a unit rollup, an excess from one TAMCN shall not make up for the deficiency in another TAMCN. The following basic rule applies:

a. Rollup across TAMCNs (RAT). This condition occurs when S and MR ratings are calculated for multiple TAMCNs (e.g. all D TAMCNs) at any organizational level, functional area, or commodity. When calculating 'S' and 'MR'-ratings across TAMCNs, it is imperative that excesses for one TAMCN do not compensate for deficiencies in other TAMCNs during the rollup process, thereby inflating the 'S' and 'MR' ratings for that particular entity. Therefore, before calculating 'S' and 'MR' across TAMCNs, each individual TAMCN within the entity (e.g. D1125 for I MEF) is rolled up and the net excess for each TAMCN is computed. In the case where the net excess is greater than zero, the net excess quantity will be subtracted from the possessed (On-Hand) quantity when computing the S and MR ratings across the TAMCNs.

Enclosure (1)
b. Unit rollup 'S' rating will have the net excess removed:

\[
S = \frac{\text{Possessed} - \text{Net Excess}}{\text{Authorized}}
\]

c. Unit rollup 'MR' rating will have the net excess removed:

\[
MR = \frac{(\text{Possessed} - \text{Net Excess}) - \text{Deadlined}}{\text{Authorized}}
\]
Detailed Equipment Readiness Reporting

1. **Narrative Remarks.** Detailed Readiness Reporting will continue to be utilized for those units that have not been cut over to GCSS-MC. Use of detailed reporting will not be required by units cut over to GCSS-MC.

2. It is often necessary to include detailed remarks in support of MR and operational readiness reporting. When applicable, narrative remarks will be entered in the sequence listed below. Commanders at all levels will ensure strict adherence to these instructions, facilitating timely and accurate reporting.

   a. **Table of Equipment (T/E).** The T/E is pulled directly from TFSMS. If no T/E exists for a TAMCN in the reporting organization, report using an "excess RM4 remark". This is used to establish the baseline for determining all requirements. Format:

      \[ T/E = XXX \]

   b. **Task Organized Reporting.** When an organization is directed to temporarily reassign physical equipment assets in support of a task organized unit with an assigned mission per paragraph 11 of this order. For visibility of the equipping of task organized units, both the supporting and supported units will provide remarks. Where MXXXXX is displayed, the organization will enter the Unit Identification Code (UIC). Format:

      SUPPORTING UNIT: XFER QTY XXX TO MXXXXX
      SUPPORTED UNIT: RCV QTY XXX FM MXXXXX

   c. **T/E Deficiencies.** Enter the numeric difference between the organizations T/E quantity and the on hand quantity when less than the T/E quantity. Note: When the organization has received authorization to hold less than their T/E quantities for a specific TAMCN per reference (a), (e.g. MARFORRES Training Allowances (T/A)), a mandatory comment is required. Format:

      \[ T/E DEF QTY XXX \]
      \[ T/E T/A QTY XXX \]

   d. **T/E Excesses.** Enter the numeric difference between the organizations T/E quantity and the on hand quantity when excess to the T/E quantity. Note: when the organization has received authorization to hold excess items to their T/E quantities for a specific TAMCN per reference (a), a mandatory comment is required. Format:

      \[ T/E EXC QTY XXX \]

   e. **Combat Loss Deficiency.** Enter the numeric quantity of readiness reportable equipment that was disposed of by the supporting intermediate maintenance activity (IMA) through the WIR process as a result of damage incurred from enemy action. A supporting Letter of Unserviceable Property (LUP) or Commander's memorandum for the record must exist on the organization's supply voucher file. A supporting T/E Deficiency Qty RM4 remark with applicable information will validate the combat loss requirements. Format:

      \[ COMBAT LOSS QTY = XX \]