DACOWITS 2015
Product Manger Infantry Combat Equipment

Colonel Daryl Crane
Product Manager Infantry Combat Equipment
(703) 432-3116
Daryl.Crane@USMC.Mil

V1 9 June 2015

DISTRIBUTION A. Approved for public release: distribution unlimited.

Purpose

- Provide the Defense Advisory Committee On Women In The Services (DACOWITS) an update on the latest efforts for Personal Protective Equipment and Clothing for female Marines

- Properly fitted combat equipment is imperative for Marines to accomplish their mission in combat
- As a result, the Marine Corps takes great efforts to ensure the appropriate fit of gear no matter the gender of the Marine
- Over the past few years the Marine Corps has recognized a need for combat equipment that fits smaller stature Marines of which the majority of females fall within
- The current gender integration effort could potentially lead to the development of gender specific equipment

- Our current equipment does meet the needs of female Marines
  - The population is appropriately covered with regard to:
    - Uniforms
    - Body Armor
    - Helmets
    - Individual Equipment
- Equipment is designed to be modular and to fit a range of body sizes
  - For example the hip belt and frame on the pack can be modified to fit a shorter torso
- Training is available at all major Marine Corps Bases and online through YouTube
- We work closely with the Army to leverage their efforts where appropriate
  - Protective Undergarment
  - Soldier Protective System

Body Armor Systems

Plate Carrier (PC)

- Provides front, back, and side protection against direct fire and fragmentation threats

Length: 15.75 in
Width (chest): 11.25 in
Width (max): 11.25 in
(size SM)

Improved Modular Tactical Vest (IMTV)

- Provides additional neck, groin, and lower back protection against direct fire and fragmentation threats as compared to the Plate Carrier
- Weighs ~4 pounds more than an equivalent size PC

Length: 15.5 in
Width (chest): 12.4 in
Width (max): 22.25 in
(size SM)

Pictorial Comparison: Rear View with Combat Load

Plate Carrier (SM)

Length: 16 in
Width: 13.75 in

IMTV-Short (SM)

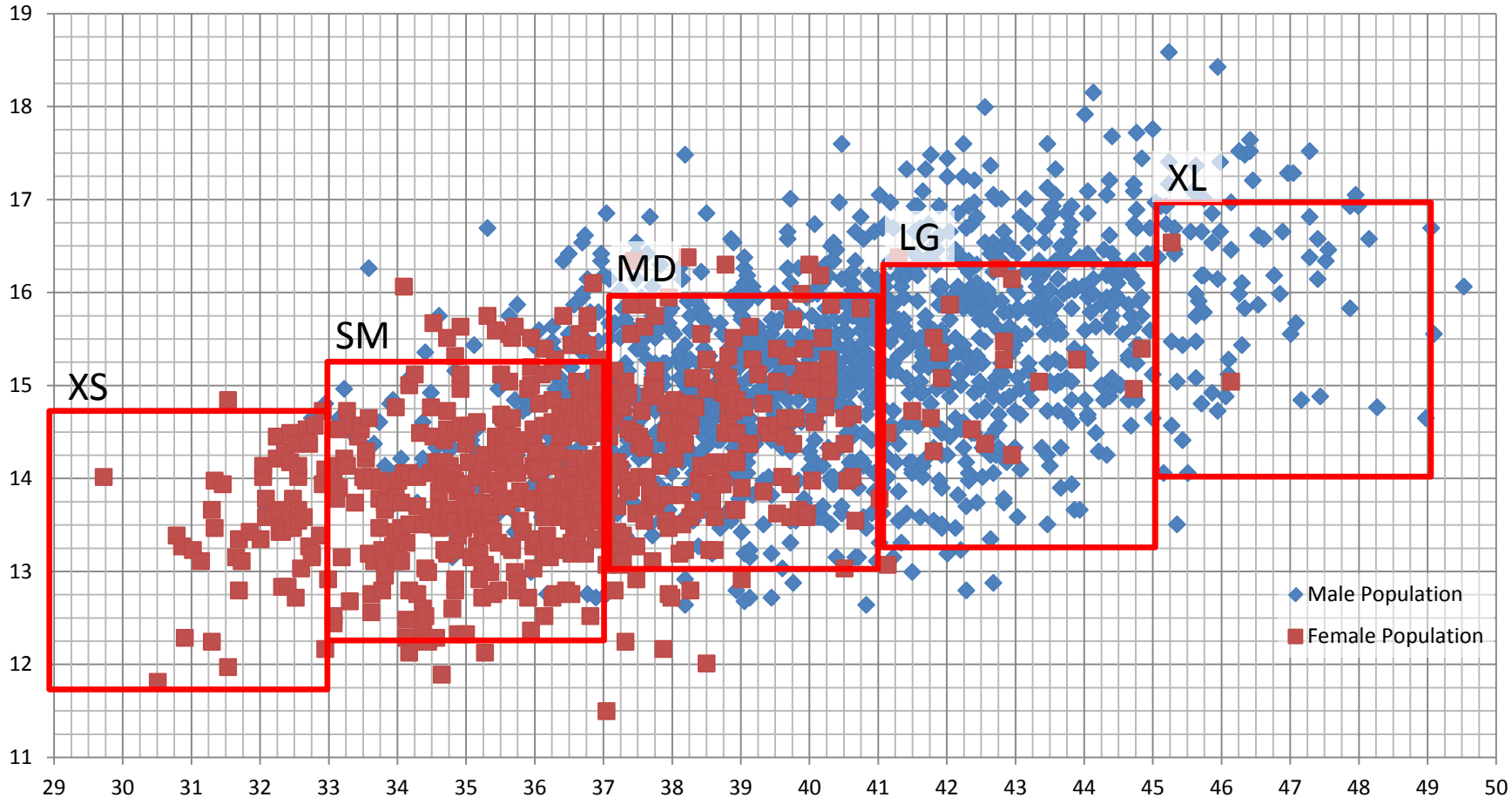
Length: 16.75 in
Width (chest): 13 in
Width (max): 21.75 in

Pictorial Comparison: Left Facing View with Combat Load

Plate Carrier (SM)

IMTV-Short (SM)

Plate Carrier Male and Female Population

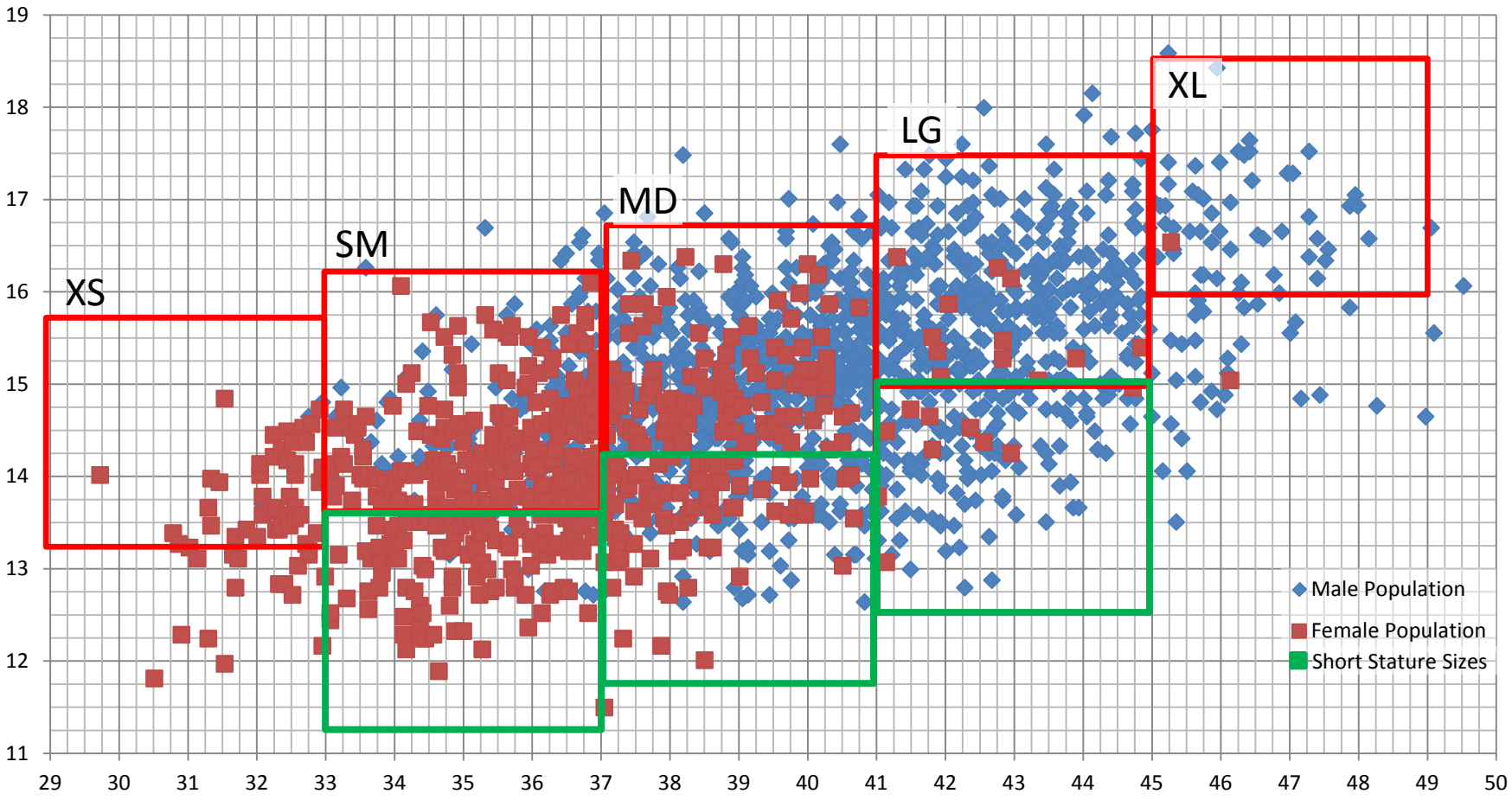


* No Additional Sizes Required

Dots represent actual Marine Torsos / Boxes Represent Vest Sizes

DISTRIBUTION A. Approved for public release: distribution unlimited.

IMTV and IMTVS for Male and Female Population



Dots represent actual Marine Torsos / Boxes Represent Vest Sizes

DISTRIBUTION A. Approved for public release: distribution unlimited.

- We have identified that there is a need to modify our tariff to better accommodate the female population
- We are changing our tariff sizing:
  - Current Tariff= 5th-95th Percentile Marine
  - New Tariff= 5th Percentile female to 95th percentile male
- Current R&D efforts are focused on:
  - Improvements to currently fielded equipment
  - A better understanding of the anthropomorphic make up of the current population

Questions?