

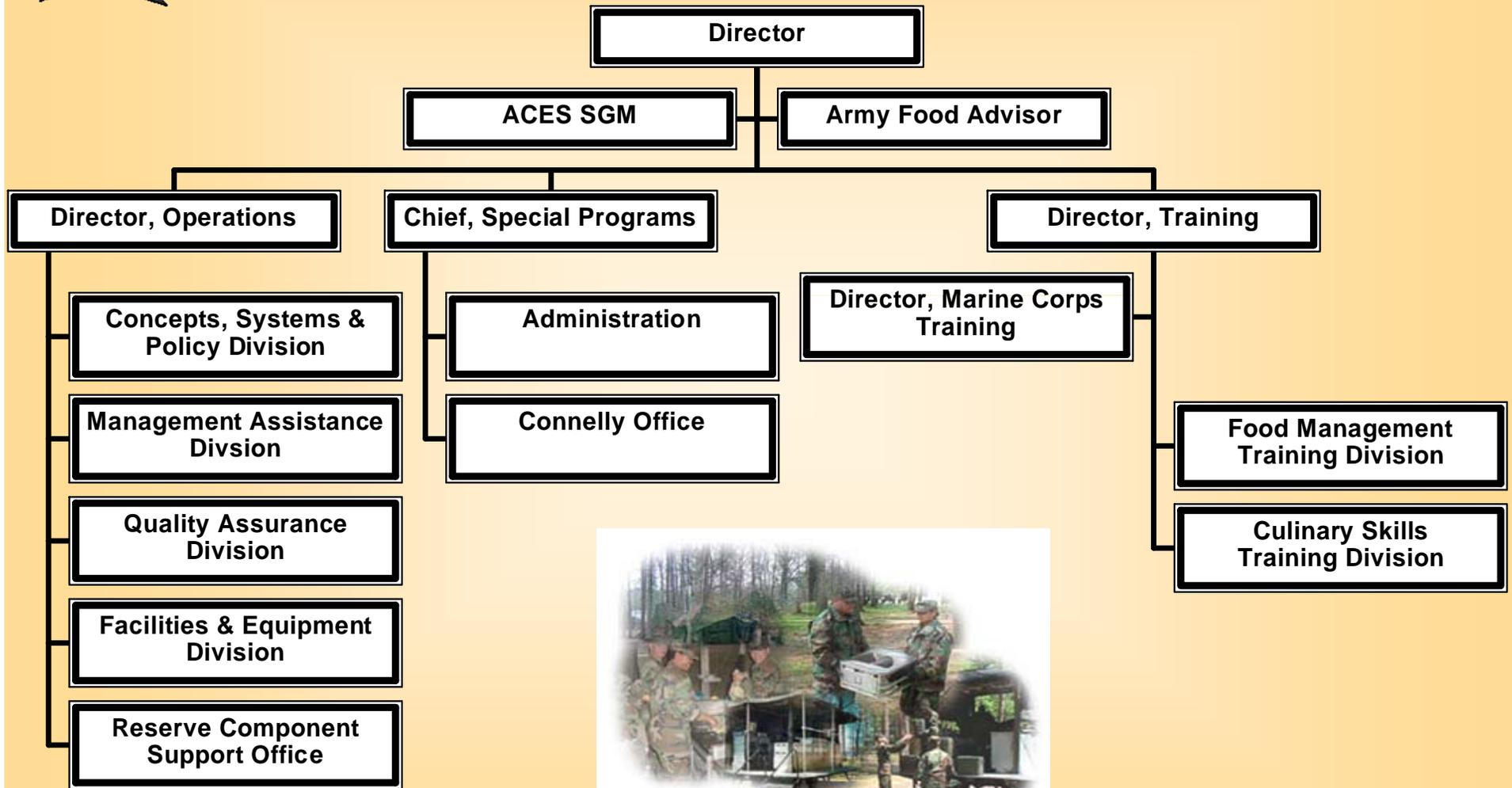


15 March 2005

Army Center of Excellence, Subsistence



ACES Organization





QUAD



Quality Assurance Division

15 March 2005

Army Center of Excellence, Subsistence



AT vs IDT

**1. Typical 2 weeks with
Regular Army support**

2. Field Account

**3. TISA supported
Operational Rations**

4. Field Kitchens

5. No BDFA

1. Weekend drill

2. Unit Funding

3. Local Purchase

4. Armory kitchen or Caterer

5. BDFA Applies



CONOPS Feeding Plan Timeline

Standard	Expeditionary < 6 Months Military					Temporary < 24 Months	
	M-M-M	U-M-M	U-M-U w/one UGR (A) meal every third day	U-M-U	U-M-U	Military	LOGCAP
Ration Cycle	M-M-M	U-M-M	U-M-U w/one UGR (A) meal every third day	U-M-U	U-M-U	U-M-U	21 Day CONOPS Menu
Theater Ration Mix	MRE 100%	UGR (H&S) 34%	UGR (H&S) 56%	UGR (H&S) 30%	UGR (H&S) 10%	UGR (H&S) 5%	Force Provider, LOGCAP or Direct Contractor 70%
			MRE 33%	MRE 30%	MRE 20%	MRE 15%	
		MRE 66%	UGR (A) 11%	UGR (A) 40%	UGR (A)+ 70%	UGR (A)+ 80%	
Facilities		MKT, KCLFF, CK, and Unit Tents			MKT, CK, Unit Tents, Force Provider Facilities		Force Provider or Contractor Provided Buildings
Deployment Days D+	1-20 days	21-30	31-60	61-90	91-180	181 Days to 24 Months	

Notes:

1. Ration Legend: MRE-M, UGR (H&S) or UGR (A) – U, UGR (A) with Short Order Supplemental Menus – UGR (A) +
2. Units deploying into developed areas may move directly into the temporary standard depending upon their mission and the theater logistical capabilities at that location.
3. First Strike and UGR-E Rations deployed as needed for any Expeditionary operations.



The Advisor

Operational

Feeding Cycles

- M - M - M
- U - M - U
- A - M - A
- A - M - A+

Enhancement Level

- Distribution
- Availability



Situational

Feeding Cycles

- Optempo
- Equipment
- Variety
- Short Order

Enhancement Level

- Distribution
- Availability



Operational Ration Program

- **Individual Field Fielding**
 1. **MREs**
 2. **First Strike**
 3. **TOTEM - (reserved for NGB training)**
 4. **Religious Meals**
 5. **Kosher for Passover**

- **Group Field Feeding**
 1. **UGR-H&S**
 2. **UGR-RAP (Test Only)**
 3. **UGR-A**
 4. **UGR-E**



Individual Field Feeding

- MRE
- FIRST STRIKE
- KOSHER FOR PASSOVER
- TOTEM



Meal, Religious, Kosher for Passover

- **Tech Data Package**
 - Two menus (Beef Stew, Salmon)
 - Shelf life – 9 months at 80°F (27°C)
 - Minimum 1200 calories per meal
 - Feedback Survey
 - MRE footprint





Menu

Components:

Entrée (Beef Stew, Salmon)

Dried fruit

Raisins

Nuts

Cookies

Jelly/jam

Coffee/tea

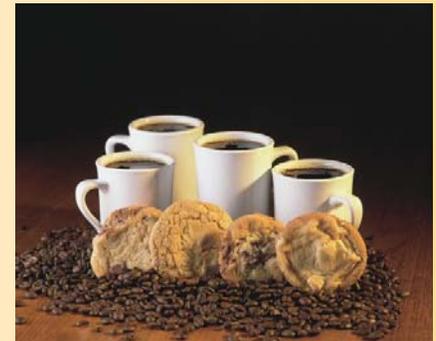
Sugar

Salt

Accessory packet (toilet tissue, spoon, moist towelette, matches, flameless ration heater)

**Matzo crackers

**Feedback survey





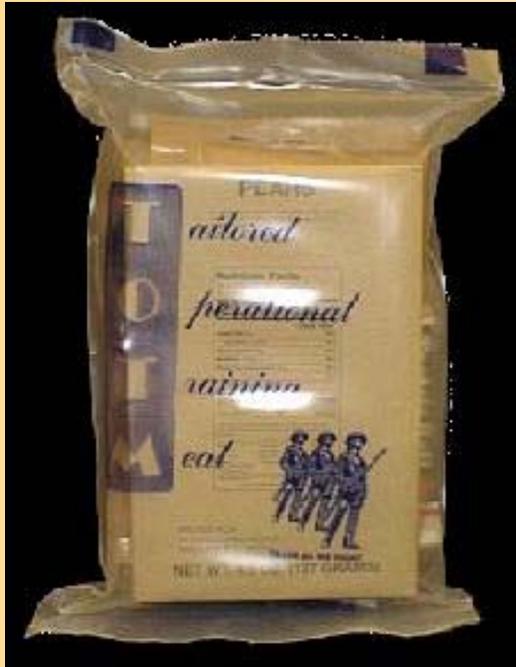
Tailored Operational Training Meal

Tailored
Operational
Training
Meal





Tailored Operational Training Meal - TOTM



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Results:

- **Product established with Industry and NG.**
- **Sales to date (January 12, 2005) = \$7.79M**
 - National Guard = \$7.12M**
 - Commissaries = \$657,430.**
 - Air Nat'l Guard = \$13,342.**
 - 172,996 cases sold.**
- **Cost range is \$3.52 to \$4.90 per meal.**
- **Now have 12 new menus x 1 per case.**



Group Field Feeding

- Heat & Serve (UGR-H&S)
- A Ration (UGR-A)
- Small Group (UGR-E)
- Supplements & Enhancements



H&S Breakfast (Army)

- **Number of H&S Menus reduced to 3**
 - **2 meats**
 - **1 starch**
 - **1 cooked cereal**
 - **Uncooked, freeze-dried, scrambled Eggs**
 - **Standard Beverages and Condiments**

- **Breakfast Concerns:**
 - **Shelf Stable Bacon, Canadian Bacon**
 - **Pancakes, French Toast**
 - **Biscuits**



H&S Dinner Menu Changes

IN	OUT
Beef Burgundy	Beef Stew
Mexican Chili Macaroni	Captain Country Chicken
Turkey Cutlet	Turkey Slices
Tacos: Beef Filling Flour Tortillas Jalapeño Cheese Spread	Beef Chunk with Noodles



UGR-A

- Widely Used
- MKT/CK/Range Camp Operations
- 50 Man modules
- ADT Class 1 Account



UGR-E Feeding Concept





UNITIZED GROUP RATION (UGR-E)

Description/Capability

- Self Contained, Self-Heating capability for remote feeding
- 2 Breakfast/6 Lunch/Dinner – 1 box module support 18 soldiers
- Should be supplement and enhancement supported
- Reduced logistics (No cooks, equipment or fuel required)



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MENU 1

Pasta & Sausage
Green Peas
***Green Salad w/ salad dressing**
*** Split Top Load Bread**
Spice Cake
*** Fresh Fruit**
Trail Mix
Dairy Shake
Coffee or Tea
*** UHT Milk**

UGR-E Menus

MENU 2

Chicken Breast w/gravy
Mashed Potatoes
Buttered Corn
***Mixed Veg Salad w/ dressing**
*** Split Top Load Bread**
Devil's Fudge Cake
*** Fresh Fruit**
Dried Cranberries
Flavored Drink Pouch
Coffee or Tea
*** UHT Milk**

MENU 3

Burgundy Beef Stew
Buttered Noddles
Green Peas
***Green Salad w/ dressing**
*** Split Top Load Bread**
Walnut Tea Cake
*** Fresh Fruit**
M & M's
Dairy Shake
Coffee or Tea
*** UHT Milk**

*** Recommended Supplements and Enhancements**



MENU 4

BBQ Pork Ribs
Macaroni & Cheese
Buttered Corn
*Mixed Veg Salad w/
dressing
* Split Top Load Bread
Milk Chocolate Cake
* Fresh Fruit
Reese's Pieces
Dairy Shake
Coffee or Tea
* UHT Milk

UGR-E Menus

MENU 5

Szechwan Chicken
Brown Rice
Buttered Carrots
*Green Salad w/ dressing
* Split Top Load Bread
Caramel Butterscotch
Cookies
* Fresh Fruit
Chocolate Covered Coffee
Beans
Flavored Drink Pouch
Coffee or Tea
* UHT Milk

MENU 6

Spaghetti & Meatballs
Green Beans
*Green Salad w/
dressing
•Split Top Load Bread
Lemon Cake
* Fresh Fruit
Twizzler Cherry Nibs
Dairy Shake
Coffee or Tea
* UHT Milk



Operational Rations

➤ Ration Augmentation Policies

1. Supplements

- **Milk, Fresh 1 %**
- **UHT Milk 1% (white, chocolate, strawberry)**
- **Soy**
- **Lactose Free 1%**

1. Enhancements

- **FFV, to include Salad & Dressing, Cereal, Breads**
- **Split Top Loaf Bread, NSN 8920-01-295-9276**



New DA Form 7590

- **Effective review of Army Issues from ACES**
- **SF 1608, Unsatisfactory Material Report not required.**
- **NEW DA Form 7590, Operational Rations Quality Feedback has been published in DA Pam 30-22.**
- **ACES, Quality Assurance Division is designated POC.**
- **ACES FMAT Team & QUAD will facilitate. (DOTLMPF)**
(Doctrine, Organization, Training, Leader Development, Materials, Personnel, & Facilities)



Meal Kit Policy

- **ACES, Quality Assurance Division is the designated POC for the nutritional approval of Meal Kits used in the Army Food Program.**
- **Frozen**
- **Shelf Stable**
- **Self Heating**

Governing policy and approved sources list can be found at

www.quartermaster.army.mil/aces/garrison/information/meal_kits.html



Operational Rations

- **Health and Comfort Packs**

Type 1 – Gender Neutral Sundries

Type 2 – Female Sundries

Type 3 – Gender Neutral Austere Bathing

- **Health and Comfort Packs**

Operational Policy: AR 30-22 and DA Pam 30-22

Procurement Policy: AR 710-2



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Multi-Temperature Refrigerated Container System (MTRCs)

- **8 x 8 x 20 - Tactical Operative using LHS**
- **Max design plan is UGR-A Breakfast and Dinner to support 800 soldiers for 3 days.**
- **Prototype completed; Load out plan study in April 2006, fielding in 2007**



Multi-Temperature Refrigerated Container System

Capability: LHS capable, MTRCS to distribute & store mixed rations: fresh, chilled, frozen (perishable/semi-perishable)

Description:

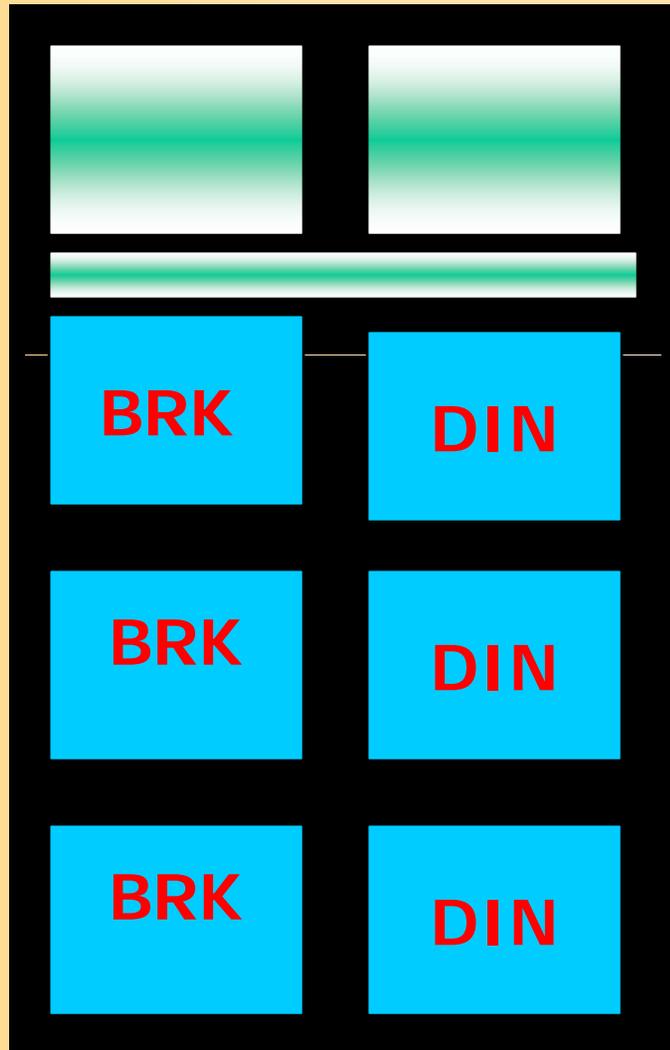
- 8 X8X20 Refrigerated container with Dual evaporators
- Movable partition allows compartment volume to be adjusted

BOI: TBD Modeling ongoing; minimum of 24 per subsistence platoon and 1 per CK/MKT

Status: ORD approved APR 2002; FUE 4Q FY07/1Q FY 08



MTRCS Layout Plan



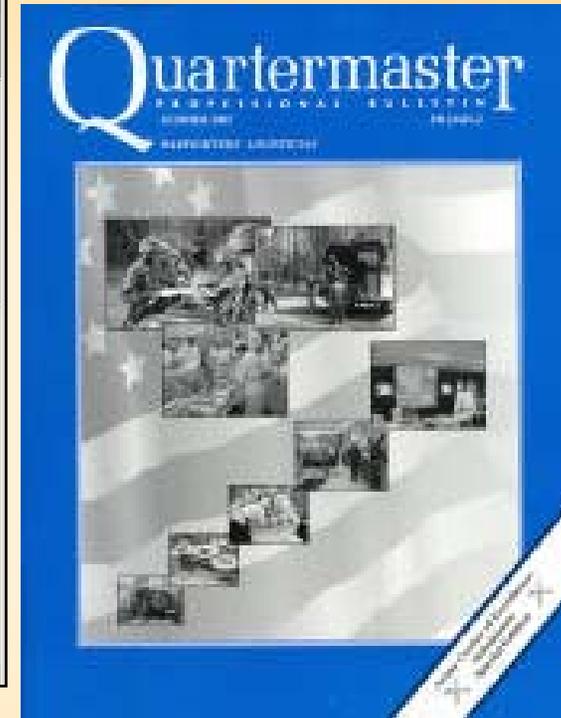
= 3 pallets hold the frozen components of the meals.



= each pallet position (2 high) holds meals for 800 with supplements and enhancements



Need info?



Visit our Website at

<http://www.quartermaster.army.mil/aces>

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Got Questions ?

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