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**Fielded Group Ration
Improvement Project (FGRIP)**

**R&DA
April 2009**

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DoD Combat Feeding Directorate
US Army Natick Soldier RD&EC

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UGR-H&S™ FY08 Field Evaluation



**1st Battalion, 8th Marines
Ft. Pickett, VA
Oct 2008**



**Approx 200 Soldiers
2 Groups, 7 Days**

**UGR-Heat & Serve (H&S)™ for
Breakfast and Dinner**

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- UGR-H&S™ Breakfast Test Items:
 - Breakfast Steak with Peppers and Onions
 - Breakfast Steak with Au Jus
 - Creamed Ground Beef with Potato (NDI*)
 - Creamed Ground Sausage with Potato (NDI)
 - Sausage, Egg, and Cheese Casserole (NDI)
 - Ranchero Beef (NDI)
 - Breakfast Blend (NDI)
 - Boil-in-Bag (BIB) Grits (NDI)
 - BIB Creamed Ground Beef (NDI)

* Non-Developmental Item

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- UGR-H&S™ Lunch/Dinner Test Entrees:
 - Dinner Steak* with Au Jus
 - Turkey and Lentil Stew
 - Creole Dijon Chicken
 - Cuban Garlic Beef
 - Thai Chicken in Spicy Peanut Sauce

*Difference between dinner & breakfast steak is that breakfast would be one piece per serving, dinner is two pieces. Also note that steaks are the two most popular meat items in the UGR-A™

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- UGR-H&S™ Lunch/Dinner Test Sides:

- Green Bean Casserole (NDI)
- Lima Bean Casserole (NDI)
- Corn & Tomato Casserole (NDI)
- Sweet Potato & Coconut Casserole (NDI)
- Santa Fe Rice & Beans (NDI)
- Barley with Mushrooms
- BIB Rice (NDI)
- BIB Stuffing (NDI)
- BIB Pasta (NDI)

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- UGR-H&S™ Test Bakery/Snack Items:

- Maple Brown Sugar Biscuits
- Apple Cinnamon Biscuits
- Lemon Swirls
- Oatmeal Chocolate Chip Cookies
- Grab'n Go Granola
- Peanut Butter Cookies
- Cranberry Orange Cake
- Red Velvet Cake
- Key Lime Cookies
- Cranberry Cookies
- Banana Nut Cake
- Instant Oatmeal – Blueberry, Cranberry

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- Fully improved UGR-H&S™, 08 menus as standard control menus
- 39 new items were field tested
- 16 new items were approved by the Joint Services and are targeted for FY11 procurement, yet may be accelerated to FY10



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- JSORF Approved new UGR-H&S/E™ FY11 Breakfast Entrées:


| Remove: | ➔ | Replace with: |
|-----------------------|---|-----------------------------------|
| Corned Beef Hash | | Breakfast Steak Au Jus |
| Cream Gravy with Beef | | Cream Gravy with Beef and Potato* |

- Joint Services also approved the use of BIB Grits in UGR-H&S™ Army menus only, replacing instant cook-prepared grits
 - Based on acceptability, ease of preparation and clean up

* A more complete UGR-H&S/E™ breakfast menu via added starch

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RDECOM UGR-H&S™ FY08 Field Evaluation 

Current FY09 Dinner Entrees*

| |
|---|
| Pulled BBQ Pork / Chili Dogs |
| Burgundy Beef Stew |
| Buffalo Chicken /Chicken Stir Fry |
| Spaghetti with Meatballs |
| Turkey Tetrazzini |
| Sweet & Sour Pork Cutlets / Szechwan Chicken |
| Beef Pot Roast |
| Chili with Beans |
| Pasta and Sausage |
| Chicken Breast with Gravy |
| Chicken Pot Pie |
| Beef Tacos / Pork Carnitas |
| Turkey Cutlets |
| Mexican Chili Mac /Chicken Tamales |


Remove →

Remove →

Recommendation:
Remove two lowest scoring items

* compilation of recent field test results

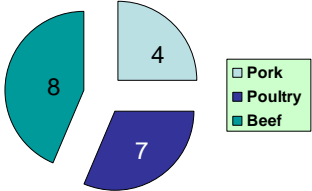
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RDECOM UGR-H&S™ FY08 Field Evaluation 

- JSORF Approved new UGR-H&S/E™, FY11 Dinner Entrées*:

| Remove: | Replace with: |
|-------------------|-------------------|
| Mexican Chili Mac | Cuban Garlic Beef |
| Szechwan Chicken | Beef Steak Au Jus |

Proposed UGR-H&S™, 11 Menu Distribution



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- JSORF Approved new UGR-H&S/E™, FY11 Dinner Starches:

| Remove: | Add: |
|------------------------------|--------------------------------|
| Cornbread & Sausage Stuffing | Coconut Sweet Potato Casserole |
| | Santa Fe Rice & Beans |



- Dinner Test Bakery Results:

| New Items: |
|-----------------------------------|
| Banana Nut Cake |
| Cranberry White Choc Chip Cookies |
| Red Velvet Cake |
| Cranberry Orange Cake |
| Peanut Butter Chip Cookies |
| Oatmeal Choc Chip Cookies |

Joint Services approved the use of six bakery items scoring 7.0 and above as needed to increase menu variety in the UGR-H&S™





UGR – A™ Update

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UGR-A™ FY08 Field Evaluation



**3rd Squadron, 61st Cavalry Regiment
Ft. Carson, CO
Oct 2008**



**Approx 120 Soldiers
2 Groups, 8 Days**

**UGR-A™ for
Breakfast and Dinner**

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UGR-A™ Breakfast Test Items:

| | |
|--|---------------------------------|
| Canadian Bacon | Egg Steak & Cheese Quesadilla |
| Turkey Sausage Links | French Toast w/ Amaretto Apples |
| Chicken Fillet | Whole Grain Pop Tarts |
| Beef Breakfast Skillet | Butterscotch Muffins |
| Chicken Breakfast Skillet | Bagel w/Chive Cream Cheese |
| Jack & Green Chile Breakfast Patty | Bagel w/ Plain Cream Cheese |
| White Cheddar Cheese & Vegetable Breakfast Patty | Caramel Apple Pecan Coffee Cake |
| Egg & Vegetable Flatbread Wrap | Orange Cranberry Mini Loaves |
| Potato Pancake | Goji Berry Danish |
| Chipotle Sausage Flatbread Wrap | Oatmeal, Cranberry & Blueberry |
| Sausage & Egg Quesadilla | |

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UGR-A™ Dinner Test Items

| | |
|---|--|
| Chipotle Chicken | Kielbasa |
| Tomatillo Pork | Chicken Sausage |
| Braised Beef | BBQ Chicken Quarters |
| Short Ribs | Meatloaf |
| Calzones | Poblano Corn Chowder |
| Cashew Chicken | Chili Macaroni |
| Crab Cakes | Loaded Potatoes |
| Hamburgers – Jalapeño Pepper Jack and Cheddar Bacon | Sweet Potato Fries |
| Shrimp Lo Mein | Pierogies – Cheddar and Butter & Onion |
| Chicken Parmesan | Pasta Primavera |
| Asada Chicken & Beef Kit | Pork Carnitas |
| Tortilla Stew | Cilantro Chicken |

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UGR-A™ Bakery/Snack Test Items:

| | |
|------------------------------------|--------------------------------------|
| Ready to Bake Cookies – Rocky Road | Ready to Bake Cookies – M&Ms |
| Dulce de Leche Chimis | Reese's Snack Mix |
| Red Velvet Cake | Almond M&Ms |
| Pineapple Coconut Cake | Irish Cream Brownies |
| White Chocolate Cranberry Cookies | Peanut Butter Reese's Pieces Cookies |
| Dulce de Leche Cake | |

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- Fully improved UGR-A™, 08 menus used as standard control menus
- Thanks to industry over 100 candidate UGR-A™ items were submitted and evaluated, with over 70 selected and field tested
- Results were presented to the UGR-A™ IPT on 13 Jan 09 and 23 new items were approved for inclusion in the FY10 menus
- Updated Tables I & II will be transitioned to DSCP by May 09
- DSCP will implement UGR-A™ menus on 1 Oct 09



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UGR-A™ IPT Approved FY10 Breakfast Menu Improvements

In

Out

| | |
|--|--------------------------------|
| Chicken Breakfast Fillet | Sausage Skillet Potatoes (07) |
| Beef Breakfast Skillet | Creamed Ground Beef (00) |
| Sausage & Egg Quesadilla | |
| Blueberry Pancake & sausage on a Stick | |
| Whole Grain Strawberry Toaster Pastry | Strawberry Toaster Pastry (08) |

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UGR-A™ IPT Approved FY10 Dinner Menu Improvements

In

Out

| | |
|----------------------------|--|
| Tomatillo Pork | Chicken Nuggets (Buffalo & Plain) (08) |
| Pasta Alfredo with Chicken | Penne with Chicken & Broccoli (06) |
| Meatloaf | Hamburgers (00) & Hot Dogs (06) |
| Cashew Chicken | Split with current Chinese Beef & Vegetable menu |
| Loaded Mashed Potatoes | Remove instant mashed potatoes from one menu |
| Poblano Corn Chowder | Split Entrée with Tomatillo Pork |
| Collard Greens | Remove canned peas from one menu |

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UGR-A™ IPT Approved FY10 Bakery/ Snack Improvements

| |
|---------------------------------------|
| Cinnamon Coffee Cake |
| Caramel Apple Pecan Coffee Cake |
| Blueberry Muffin (Shelf Stable) |
| Whole Grain Strawberry Toaster Pastry |
| Dulce De Leche Mini Cheesecake Bites |
| Pineapple Coconut Cake |
| Almond M&Ms |
| M&M Cookies (Ready-to-Bake) |
| Red Velvet Cake |
| Dulce De Leche Cake |
| Peanut Butter Cookies |

✓ IPT approved utilizing higher scoring bakery/snack items as needed to increase menu variety.

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368th Engineer Battalion
Ft. McCoy, WI
Aug 2009



Approx 400 Soldiers
4 Groups
8 Days



UGR-H&S™ or UGR-A™ for breakfast and dinner
MRE™ for lunch

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- UGRs™ for Breakfast and Dinner
 - UGR-A™ – Fully Improved 09 Menus as controls
 - UGR-H&S™ – Fully Improved 08 Menus as controls
- MRE™ for Lunch
- Deadline for submitting new items for field testing is 10 May 2009