

# Harmonization Activities - Preliminary Implications for NHTSA

Dummy Harmonization Task Group  
Meeting November 2011

# Background

- As a customer NHTSA is monitoring the Global Task Group's recommendations for harmonization of the FT and DN brands.
- NHTSA acknowledges that differences in component details sometimes exist between the brands, however they have always been required to meet the specifications in the Code of Federal Regulations.
- We have preliminarily identified a few harmonized parts that have known implications to our dummy fleet.

# Harmonization's Implications for NHTSA

- Dummies and replacement parts for use in FMVSS testing are procured through contracts with Humanetics. Dummies and replacement parts must meet CFR Part 572.
- NHTSA uses inspection and qualification tests to verify the dummies meet the CFR.
- Our process will be no different for harmonized parts applied to our FT and DN dummies.
- NHTSA does plan to run testing where issues are known and will perform additional testing if necessary.

# Harmonization's Implication -NHTSA Dummy Fleet

## Inventory

Item	Types	Quantity
Dummies	20	400
Transducers	180	3,500
Parts	7,500	13,500

# Harmonization's Implication -NHTSA Dummy Fleet

Dummy	FT	DN	Harmonized Brand	Part	Known Implications
H III 50 <sup>th</sup>	22	18	All DN, except FT up. torso	DN head skins	Reballast on FT skulls and test and certify head before NHTSA FT head skin inventory is depleted.
H III 5 <sup>th</sup>	22	15	All FT, except DN head, neck, hand, lower leg cavity  Harmonized chest jacket	Harmonized chest jacket	Evaluate harmonized chest jackets for torso flexion performance. Supply FT, DN jackets until transition to harmonized chest jackets.
ES-2re	15	3	All FT except: head assembly TBD, DN neck and lumbar	DN head skins	Evaluate on FT heads

# Harmonization's Implication -NHTSA Dummy Fleet

Dummy	FT	DN	Harmonized Brand	Part	Known Implications
H III 6C	19	0	All DN except FT neck	DN parts DN Dummy	Evaluate on FT dummy Evaluate DN dummy
H III 3C	10	11	DN head, torso FT neck, limbs and clavicle stops	FT neck, limbs and clavicle stops	Evaluate on DN dummies.
CRABI- 12MO	16	2	DN head skin, neck and torso FT skull, limbs w/DN material	DN head skin, neck and torso FT skull, limbs w/DN material	Evaluate on DN and FT dummies.
Total	126	63			

# Summary

- Thank you for allowing us to voice our concerns about what harmonization means to NHTSA.
  - The harmonized dummies and our existing fleet of dummies must continue to meet the CFR.
  - The Harmonized parts phase-in-schedule must be reasonable.
  - Although costs were not a focus of the committee they too must be reasonable.