



## HAZ-MAT DESIGN QUESTIONNAIRE

As completely as possible, answer the applicable questions regarding the type of rescue truck and options your agency requires. **The more comprehensive the answers, the more concise the completed specifications.** Follow instructions on the bottom of the last page for forwarding this questionnaire to Hackney. A set of specifications and proposal drawing in bid format will be generated and returned.

**Completion of the information on this page is required before a set of specifications and drawings can be generated.**

Dept/Agency/Organization/Company: \_\_\_\_\_

Name of person requesting information: \_\_\_\_\_

Title/Position: \_\_\_\_\_ Date: \_\_\_\_\_

Address: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_

Telephone: (\_\_\_\_)\_\_\_\_-\_\_\_\_; Ext:\_\_\_\_ FAX:(\_\_\_\_)\_\_\_\_-\_\_\_\_

E-Mail Address: \_\_\_\_\_

Best time to contact me is: \_\_\_\_\_ am; \_\_\_\_\_ pm

Have Salesperson contact me: \_\_\_ Yes \_\_\_ No

Type of purchaser: \_\_\_ City; \_\_\_ County; \_\_\_ State; \_\_\_ Tax District;  
\_\_\_ Volunteer; \_\_\_ Industrial; \_\_\_ Other \_\_\_\_\_

Budget: *Note: This information is critical to assist you with budgetary planning in respect to what you desire versus the actual required budget for the rescue vehicle outlined on the following pages. If the estimated cost exceeds your budget, we will notify you appropriately.*

\_\_\_ \$125,000 to \$150,000; \_\_\_ \$150,000 to \$200,000; \_\_\_ \$200,000 to \$250,000;  
\_\_\_ \$250,000 or more

Type of purchase: \_\_\_ Formal Bid; \_\_\_ RFP; \_\_\_ Negotiated

Expected purchase date or bid release: \_\_\_\_\_

How soon do you need these specifications and budget price? \_\_\_\_\_



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**Restrictions:** Maximum Length: \_\_\_\_\_ Maximum Height: \_\_\_\_\_

**Circle, check and fill in blanks, as applicable, on all following pages:**

**COMMERCIAL Cab/Chassis Preference:**

- Freightliner M2  
 International 4400  
 Kenworth T300  
 Other: \_\_\_\_\_  
  
 2-Door Cab with 3-man bench  
 2-Door cab with (2) individual seats  
 2-Door cab with individual driver and two-man passenger  
 4-Door cab with 3-man bench front & rear  
 4-Door cab with (2) individual seats front & 3-man bench rear  
 4-Door cab with independent driver seat; SCBA officer seat and (3) rear SCBA seats

**SPARTAN CUSTOM CAB:**

**Note:** SMFD = Short Medium 4-dr; MFD = Medium 4-dr; LFD = Long 4-dr.

Cab Style:

- Advantage  
 MFD – 330 hp Cummins ISC (*most popular stock chassis*)  
 MFD – 370 hp Cummins ISL (*adds significant cost*)  
 Flat roof  
 10" raised roof  
 Gladiator –  
 MFD - flat roof  
 MFD – 10" raised roof  
 LFD – flat roof  
 LFD – 10" raised roof  
 LFD – 20" raised roof  
 Engine Preference: \_\_\_\_\_  
 Horsepower Requirement: \_\_\_\_\_

Seating – *Custom Cabs only*

- officer and (3) firefighters  
 officer and (4) firefighters  
 officer and (5) firefighters (LFD cabs only)  
 officer and (6) firefighters (LFD cabs only)  
 Are all firefighters positions equipped with SCBA?  Yes  No

Top Speed Requirement:  55 mph;  65 mph;  68 mph;  72 mph;  75 mph;

**CHASSIS RELATED OPTIONS: both commercial and custom applications**

- Four-wheel drive  
 Exhaust:



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- exit left in front of rear wheels
- exit right in front of rear wheels
- exit under rear bumper
- vertical with chrome pipe and heat shield
- Accommodate station exhaust extraction system: Brand \_\_\_\_\_

OTHER Chassis Requirements: \_\_\_\_\_

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**CAB INTERIOR CABINETS and/or COMMAND CENTER:**

- Fold-down desk in cab (*limited application on commercial cabs*)
- Storage cabinet w/roll-up door (*Requires deletion of center rear seat on commercial cabs*)

Location on custom cab applications: \_\_\_\_\_

- Command Center cabinetry in rear of cab (*custom cabs only*)
  - Behind driver and officer seats
  - Across rear wall (*requires LFD cab*)
  - "L shaped full cab width and left side wall (*Requires LFD cab. May require deleting left rear door*)

Describe other special requirements: \_\_\_\_\_

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**CHASSIS RELATED OPTIONS:**

- Dome lights, combination red/white (IATS):
  - Qty \_\_\_\_\_
  - Locations: \_\_\_\_\_
- Other cab interior lighting requirements: \_\_\_\_\_
- Aluminum Alloy Wheels
- Stainless steel hub and lug nut covers only
- Stainless steel wheel covers, full over
- Automatic Tire Chains
- Extended front bumper (*req'd for winch, Q2B & bumper mounted air horn installations*)
- Chain box in front bumper
  - Qty:  1;  2;  full width – (*Some bumper installed options may restrict boxes*)
- Winch:
  - Warn 12,000# electric in front bumper
  - Warn 9000# portable
  - Receiver & wiring for mounting portable winch installed:
    - under front bumper
    - under rear bumper
    - left & right side forward of rear wheels



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\_\_\_ Fold-down bumper for storage of portable winch (*not applicable on commercial cab standard bumpers – may require replacement of bumper with fire service stainless steel type*).

**BODY: (see Trailer Questionnaire if trailer type is preferred )**

- Haz-Mat Equipment & Mitigation Only
- Haz-Mat with integral Command Center
- Command & Communication Only
- Haz-Mat Equipment, Mitigation, Haz-Cat Lab, Command/Communication
  - Command/Communications – Rear Body
  - Command/Communications – Forward Body
  - Command/Communications – Cab (req's custom cab w/24" raised roof)
  - Haz-Cat Lab
    - With vent hood

Provide synopsis of mission(s) for which this vehicle will be used:

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List major equipment to be stored in compartments:

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**STORAGE OPTIONS:**

- \_\_\_ Are slide-out equipment trays desired: Yes\_\_\_ No \_\_\_
- \_\_\_ Are slide-out and tilt-down trays desired (*normally installed at and above chest height?*): Yes\_\_\_ No\_\_\_
- \_\_\_ 95-gallon Overpack Drum: Qty \_\_\_\_\_
- \_\_\_ 55-gallon Salvage Drum: Qty \_\_\_\_\_
- \_\_\_ Chlorine Kits
- \_\_\_ Foam
- \_\_\_ 5-gallon buckets: Qty \_\_\_\_\_
- \_\_\_ Storage tank: gallons \_\_\_\_\_
- \_\_\_ Absorbent
- \_\_\_ 50# bags: Qty \_\_\_\_\_
- \_\_\_ Hopper/Dispenser: Min. pounds stored: \_\_\_\_\_ #
- \_\_\_ Storage boxes, removable
  - Qty: \_\_\_\_\_
  - Size: \_\_\_\_\_ x \_\_\_\_\_ x \_\_\_\_\_
- \_\_\_ Are slide-out tool board(s) required?



- Qty\_\_\_
- Material: \_\_\_Plywood; \_\_\_Smooth Aluminum; \_\_\_Pegboard Aluminum (*very expensive*); \_\_\_PacTrac Aluminum (*very expensive*)
- \_\_\_ Stokes Basket storage: Qty\_\_\_
- \_\_\_ Long backboard storage: Qty\_\_\_
- \_\_\_ SCBA slide-out storage rack for four complete
- \_\_\_ SCBA slide-out storage rack for eight complete
- \_\_\_ Spare SCBA bottles: Qty\_\_\_
- \_\_\_ Rescue tri-pod storage: stored length\_\_\_\_\_ft.
- \_\_\_ Rescue air bag storage: *list sizes*
  - \_\_\_ Horizontal storage
  - \_\_\_ Vertical storage
- \_\_\_ Ladder Storage
  - \_\_\_ Upper rear tunnel inside body
  - \_\_\_ Roof top
  - \_\_\_ Type & Qty: \_\_\_\_\_
- \_\_\_ Pike pole tubes: Pole lengths: \_\_\_\_\_
- \_\_\_ Roof Storage Compartment(s)
- \_\_\_ Other: \_\_\_\_\_

**OTHER BODY OPTION REQUIREMENTS:**

- \_\_\_ Chromed rope tie-off rings inserted into receivers – Qty: \_\_\_ 1; \_\_\_ 2
- \_\_\_ Wheel step bar across rear wheels, removable  
*designed to facilitate access to upper wheelhouse comp't storage*
- \_\_\_ Roof access ladder w/safety grip hand rails
- \_\_\_ Observation platform on roof with fold-up OSHA rails
- \_\_\_ Awning
  - \_\_\_ left side
  - \_\_\_ right side
  - \_\_\_ rear
  - \_\_\_ enclosure curtains
- \_\_\_ Other Requirements: \_\_\_\_\_

**PAINT & LETTERING OPTIONS:**

- \_\_\_ One-color on body  
Color: \_\_\_\_\_
- \_\_\_ Two-tone on body  
Upper color: \_\_\_\_\_  
Lower color: \_\_\_\_\_
- \_\_\_ Cab painted by chassis manufacturer (*Chassis OEM paint finish may not be as glossy as paint furnished on Hackney body*)



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- Color: \_\_\_\_\_
- Cab repainted by Hackney  
Color: \_\_\_\_\_
- Two-tone Cab:  
Upper Color: \_\_\_\_\_  
Lower Color: \_\_\_\_\_
- Scotchlite Reflective Stripe:  
Height of stripe: \_\_\_\_\_  
Color of stripe: \_\_\_\_\_  
Other requirements: \_\_\_\_\_
- \_\_\_\_\_
- Lettering Requirements:  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

#### 12VDC ELECTRICAL REQUIREMENTS:

*Multiplexing standard with color Vista display screen and controls on cab console*

- Tail lights  
 LED – 4” red stop/tail; amber turn; incandescent clear backup (std)  
 Whelen CAST3 cluster  
 Incandescent  
 LED
- Traffic Advisor  
 Standard Hackney LED  
 Whelen TA837  
 Whelen LED  
 Whelen LED Message Board  
 Other: \_\_\_\_\_
- 12VDC halogen Scene Lights:  
 Side Body: 2 each side  
 Side Body: 3 each side  
 Rear Body: 2  
 Side Cab (*Spartan cab only*)
- Under body ground lights  
 Side  
 Rear  
 Front
- Compartment Lights  
 7” halogen in top of compartment  
 “Rope” halogen lights (ROM) down side wall of ea. comp’t (*Note: expensive , but effective*)



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- Map light, flexshaft
- Fog Lights
- Spotlight, hand-held
- Hand Light, portable (*min. 2 req'd NFPA*)
  - Streamlight SL45102
  - Koehler 100X
  - Other: \_\_\_\_\_

WARNING LIGHTS:

*Note: all warning lights must meet minimum NFPA 1901 requirements for Upper & Lower Zones. Brands can not be mixed in any of these zones.*

- Whelen halogen flashers w/rotating light bar
- Whelen halogen flashers w/strobe light bar
- Whelen strobe flashers w/rotating light bar
- Whelen strobe flashers w/strobe light bar
- Whelen LED with LED light bar
- Whelen LED with strobe light bar
- Federal Upper Zone w/rotator light bar
- Federal Upper Zone w/Vector light bar

- halogen flashers
- strobe flashers
- LED flashers

- Code 3 Upper Zone w/XL5000 light bar
- Code 3 Upper Zone w/MX7000 light bar

- halogen flashers
- strobe flashers
- LED flashers

OTHER: \_\_\_\_\_

Headlight Wig-Wags (*std*)

- OptiCom
  - furnished by Hackney
  - furnished by customer

SIREN & HORNS:

- Federal Q2B on top of bumper
- Federal eQ2B electronic
  - with 200W Q2B look alike grille speaker (req's flush bumper mounting)
  - with (2) 100W individual speakers
- Whelen WS295 electronic
- Whelen WS295 electronic with digitized mechanical siren feature
- Federal PA300 electronic

Speakers:  one;  two

12VDC Power Strip: Loc: \_\_\_\_\_

Radio Antenna coaxial cables: Qty: \_\_\_\_\_ Location(s): \_\_\_\_\_

- Back-up Alarm
  - standard
  - automatic variable db



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- \_\_\_ Rearview backup camera  
 \_\_\_ Black & White (Std)  
 \_\_\_ Color

\_\_\_ Other 12VDC Option requirements: \_\_\_\_\_

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### 120/240VAC ELECTRICAL REQUIREMENTS:

#### \_\_\_ GENERATOR:

- \_\_\_ Wire for customer supplied: Type/Brand \_\_\_\_\_  
 \_\_\_ 5.5KW Yanmar diesel  
 \_\_\_ 5.0KW Honda  
 \_\_\_ 6.5KW Honda  
 \_\_\_ 10KW Onan QuiteOne diesel  
 \_\_\_ 12.5KW Onan QuiteOne diesel  
 \_\_\_ 25kw Onan PTO (*most popular rescue application*)  
 \_\_\_ 35kw Onan PTO  
 \_\_\_ 40kw, 3-phase PTO (*not recommended unless using to power breathing air compressor or used as standby emergency standby unit. Requires 100 or 150 amp power outlet for remote power supply.*)  
 \_\_\_ OTHER: \_\_\_\_\_

#### \_\_\_ Shorepower (*req'd by NFPA for battery conditioner*)

- \_\_\_ Manual (*standard*)  
 \_\_\_ Auto-eject  
 \_\_\_ 20 amp  
 \_\_\_ 30 amp

#### \_\_\_ Battery Conditioner

- \_\_\_ 45 amp IOTA automatic (Std)  
 \_\_\_ Other: \_\_\_\_\_

#### \_\_\_ Power Outlets:

- \_\_\_ 120V Duplex: Qty \_\_\_\_\_  
 Locs: \_\_\_\_\_  
 \_\_\_ 120V Twist-lok: Qty \_\_\_\_\_  
 Locs: \_\_\_\_\_  
 \_\_\_ 240V Twist-lok: Qty \_\_\_\_\_  
 Locs: \_\_\_\_\_

#### \_\_\_ Cord Reel(s):

- \_\_\_ Hannay 120V with 200' 10/3  
 Qty: \_\_\_ Loc: \_\_\_\_\_  
 \_\_\_ Hannay 240V with 200' 10/4 (*junction box may be split into two separate 120V circuits for maximum amperage output. This application is recommended where high amperage loads are required*)  
 Qty: \_\_\_ Loc: \_\_\_\_\_

#### \_\_\_ Power Distribution Box with (4) outlets

- \_\_\_ permanently wired to cord reel  
 \_\_\_ with twist-lock receptacle to cord reel



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FLOOD LIGHTING

- Telescoping, front – Qty: \_\_\_\_
    - 750 watt
    - 900 watt
  - Telescoping, rear - Qty: \_\_\_\_
    - 750 watt
    - 900 watt
  - Removable Tri-Pod – 750W – Qty: \_\_\_\_
  - Upper Flood Lights – 900W
    - one center left and right on body
    - two left and right on body
    - one center rear body (recessed roof body only)
    - one center front cab (*Spartan cab only*)
  - Light Tower - Will-Burt Chief with (2) 900 watt lamps
  - Light Tower - Will-Burt NightScan with (4) 900 watt lamps
  - Light Tower - Will-Burt NightScan with (6) 900 watt lamps – multi-directional
  - Light Tower – Will-Burt NightScan with (2) 900 watt/32,000 lumen quartz and (2) 110,000 lumen metal-halide
  - Portable 650W flood lights - Qty: \_\_\_\_
  - Refrigerator - powered by:
    - generator and shorepower
    - RV type – 12VDC/120VAC
  - Fluorescent Compartment Lights
    - generator operated only
    - generator and shorepower operated
- OTHER 120/240V REQUIREMENTS: \_\_\_\_\_
- 

**BREATHING AIR REQUIREMENTS:**

- 26.5 cfm, 6000 psi Compressor with RevolveAir 2X2 fill station; computerized fill controls (*requires ASME receivers*)
- Breathing Air Cascade System - Two-bottle tilted fill enclosure with integral fill control panel (*Note: NFPA 1901 requires fill enclosure – no frag tubes*)
- Type of SCBA's to be filled:
  - 2216
  - 4500
  - Both
- Air Storage Cylinders
  - 4500 psi DOT: Qty: \_\_\_\_
  - 6000 psi DOT: Qty: \_\_\_\_
  - ASME in lieu of DOT: Qty: \_\_\_\_ (*adds approx. \$1200 to cost of ea. cylinder*)
- 6000 psi breathing air hose reel

**UTILITY AIR REQUIREMENTS:**

- 175 cfm USAR screw-type compressor – PTO drive



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\_\_\_ 270 cfm USAR screw-type compressor – PTO drive (req’s HD4060 transmission)  
(Includes one industrial outlet on left and right side of tractor)

\_\_\_ Low Pressure Utility Air System –

\_\_\_ Plumbed to chassis air brake compressor source w/  
isolated auxiliary reservoir

\_\_\_ Plumbed to on-board 240V air compressor

\_\_\_ Plumbed from cascade system

\_\_\_ Air outlets:

Qty: \_\_\_\_\_

Locs: \_\_\_\_\_

\_\_\_ Air hose reel w/150’ 3/8 hose

**OTHER REQUIREMENTS:**

\_\_\_ Hydraulic rescue hose reel:

Qty \_\_\_\_\_

Brand tools used by department: \_\_\_\_\_

\_\_\_ Hydraulic rescue pump:

\_\_\_ Brand tools used by department: \_\_\_\_\_

\_\_\_ Single

\_\_\_ Dual Valve

\_\_\_ Simo

\_\_\_ portable gas powered

\_\_\_ 240VAC generator powered

\_\_\_ Other hydraulic tool requirements: \_\_\_\_\_

\_\_\_ OTHER REQUIRED EQUIPMENT TO BE FURNISHED WITH COMPLETED  
RESCUE:

\_\_\_\_\_  
\_\_\_\_\_

**You may forward the completed questionnaire in one of the following methods:**

If downloaded into MSWord® format, complete the information and **Email to:**  
*rescueleader@hackneyusa.com*

If printed, fill in by hand the information and **FAX to:** 252-975-8393

If you have questions, would like to discuss further details of this project or do not  
receive a timely response, please **call 1-800-763-0700, extension 2275 or 2278.**



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