

## ADDENDUM FOUR

Date: February 7, 2014

To: All Bidders

From: Julie Dabydeen, Buyer  
State Purchasing Bureau

RE: Addendum for Invitation to Bid 4580 OF Rebid

Opening Date and Time: February 20, 2014

Following are the questions submitted and answers provided for the above mentioned Invitation to Bid. The questions and answers are to be considered as part of the Invitation to Bid.

QUESTIONS	ANSWERS
<p>1. There is a requirement for vendors to provide “ the name, addresses, and the telephone numbers of three government public safety agencies who are currently using the same equipment being bid for their public safety mobile communications assets for emergency response or public safety land mobile radio system. List the number of deployments by agency and the type of installation.” The Ka-Band technology that the State is seeking is very new to the market, and has not yet been widely adopted by public safety agencies. I do not believe that you will find any single vendor who has installed three of these same hardware systems for public safety agencies. Mobil Satellite Technologies is a leading national mobile satellite provider and has installed hundreds of Ku-Band systems for public safety agencies across the country for more than 15 years, but to date we have only installed one of these Ka-Band systems for a State Agency. Being that it is not likely that any vendor can meet this requirement, is it acceptable for us to provide references of customers who use Ku-Band mobile satellite Internet systems?</p>	<p>Under references the following paragraph is deleted:</p> <p>List the name, addresses, and the telephone numbers of <u>three government public safety agencies</u> who are currently using the same equipment being bid for their <u>public safety mobile communications assets for emergency response or public safety land mobile radio system</u>. List the number of deployments by agency and the type of installation.</p> <p>The paragraph listed above is hereby amended to read:</p> <p>List the name, addresses, and the telephone numbers of <u>three government public safety agencies</u> who are currently using similar equipment which your company has provided and installed for their <u>public safety mobile satellite communications for emergency response for public safety land mobile radio system</u>. List the year of installation and type of equipment installed.</p>

QUESTIONS	ANSWERS
<p>2. In that we are authorized dealers for both AVL Technologies and C-Com, we would like to provide a response that includes both AVL Technologies and C-Com vehicle mounted antennas. Is it acceptable for a vendor to provide multiple responses, one for each brand of vehicle mount antenna?</p>	<p>Yes, the bidder can provide multiple bid responses in separate identified packages.</p>
<p>3. In addition to the vehicle mounted systems, it states that the requirement is for "Transportable Field Deployable "Fly Away" Kit", "Frequency band – Ka", and "Certified for use in US." As of this date, there is only one Transportable Field Deployable "Fly Away" Kit that operates on Ka-band, that is certified for use in USA. It is not manufactured by either AVL Technologies or C-Com, which are the two companies that are specified in the Solicitation. You will note from the attached product PDF for the C-Com Transportable Field Deployable "Fly Away" Kit that it is "Compliant for use on Exedes<sup>SM</sup> Ka Service by ViaSat". "Compliant for use on Exedes<sup>SM</sup> Ka Service by ViaSat" absolutely does not mean "Certified for use in USA" as requested in the specifications. The ProPortable terminal by ViaSat is absolutely the only flyaway transportable Ka-Band antenna that is approved for use in the USA. We would like to respond to this solicitation, but the solicitation has to give us some way to respond with the ProPortable terminal by ViaSat, which is the only Transportable Field Deployable "Fly Away" Kit antenna in the world that it will be possible for the State of Nebraska to purchase and use under the requirement "Certified for use in USA". Can you please advise on this issue?</p>	<p>The State is seeking AVL, C-Com, or any alternative/equivalent.</p> <p>Section 1.e. and 3.e. of the specifications are hereby deleted:</p> <p>Certified for use in USA. Please attach certification to this bid."</p> <p>Section 1.e. and 3.e. are hereby amended to read:</p> <p>Necessary government approvals for use in the USA. Please provide documentation.</p>
<p>4. In the Invitation to Bid Solicitation Number 4580 OF REBID it says "Provide update requirements for maintaining the equipment, list Below" Can you help put this into context and explain the intent? There is no equipment list, what does this mean?</p>	<p>Provide the recommended deployment schedule(s) and methods of delivery to ensure software and firmware versions are kept up to date.</p>

QUESTIONS	ANSWERS																				
<p>5. In the Specifications it says “m) System Power Usage Peak and Operating Satellite Acquisition Time from Sleep Mode (less than 3 minutes) to On-Line after Acquisition (less than 2 minutes) 5 minutes total.” What does this mean? The sentence starts out sounding like it is about power consumption but ends up with wording about satellite acquisition times. The two have nothing to do with each other; can you please interpret this for us and explain what information is being sought?</p>	<p>Section 1.m. of the specifications is hereby deleted:</p> <p>System Power Usage Peak and Operating Satellite Acquisition Time from Sleep Mode (less than 3 minutes) to On-Line after Acquisition (less than 2 minutes) 5 minutes total” is hereby deleted.</p> <p>Section 1.m. is hereby amended to read:</p> <p>System Power Usage, Peak and Operating. List Below.</p>																				
<p>6. On Page 3 of 6, INVITATION, Line Item 2 is for Removal and Installation of units. It is assumed that this Line item refers to the installation labor to remove the existing antennas and replace with the new antennas listed above in Line Item #1. Why is there a request for information about hardware (Manufacturer, Model #, and Dish size) requested under Line Item # 2, when this is for labor only? What information do you want listed there?</p>	<p>Line 2 of the Invitation to Bid is hereby deleted:</p> <table border="0" style="width: 100%;"> <tr> <td style="width: 60%;"></td> <td style="text-align: right;">Qty</td> <td style="text-align: right;">UOM</td> <td style="text-align: right;">Unit Price</td> <td style="text-align: right;">Extended Price</td> </tr> <tr> <td>REMOVAL AND INSTALLATION OF UNITS</td> <td style="text-align: right;">5.0000</td> <td style="text-align: right;">EA</td> <td style="text-align: right;">_____</td> <td style="text-align: right;">_____</td> </tr> </table> <p>Manufacturer: _____ Model #: _____ Dish Size: _____</p> <p>Line 2 listed above is hereby amended to read:</p> <table border="0" style="width: 100%;"> <tr> <td style="width: 60%;"></td> <td style="text-align: right;">Qty</td> <td style="text-align: right;">UOM</td> <td style="text-align: right;">Unit Price</td> <td style="text-align: right;">Extended Price</td> </tr> <tr> <td>REMOVAL AND INSTALLATION OF UNITS</td> <td style="text-align: right;">5.0000</td> <td style="text-align: right;">EA</td> <td style="text-align: right;">_____</td> <td style="text-align: right;">_____</td> </tr> </table>		Qty	UOM	Unit Price	Extended Price	REMOVAL AND INSTALLATION OF UNITS	5.0000	EA	_____	_____		Qty	UOM	Unit Price	Extended Price	REMOVAL AND INSTALLATION OF UNITS	5.0000	EA	_____	_____
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<p>7. The Solicitation included a Line Item for “Training at Factory Location. Because the manufacturers do not sell directly, your purchase will be from an authorized dealer. As such, the training would be conducted by the Dealer, and if training is held off-site it would occur at the Dealer office location and not at the Factory. As there is no training available at the actual “Factory” location. Will off-site training at dealer facility be the same?</p>	<p>Line 5 of the Invitation to Bid is hereby deleted:</p> <table border="0" style="width: 100%;"> <tr> <td style="width: 60%;"></td> <td style="text-align: right;">Qty</td> <td style="text-align: right;">UOM</td> <td style="text-align: right;">Unit Price</td> <td style="text-align: right;">Extended Price</td> </tr> <tr> <td>TRAINING, AT FACTORY LOCATION</td> <td style="text-align: right;">1.0000</td> <td style="text-align: right;">EA</td> <td style="text-align: right;">_____</td> <td style="text-align: right;">_____</td> </tr> </table> <p>Line 5 listed above is hereby amended to read:</p> <table border="0" style="width: 100%;"> <tr> <td style="width: 60%;"></td> <td style="text-align: right;">Qty</td> <td style="text-align: right;">UOM</td> <td style="text-align: right;">Unit Price</td> <td style="text-align: right;">Extended Price</td> </tr> <tr> <td>TRAINING, AT FACTORY/ AUTHORIZED DEALER LOCATION</td> <td style="text-align: right;">1.0000</td> <td style="text-align: right;">EA</td> <td style="text-align: right;">_____</td> <td style="text-align: right;">_____</td> </tr> </table> <p>4.b. of the specifications is hereby deleted:</p> <p>Training of State personnel (minimum of five (5)) on maintenance, operations, parts replacement and troubleshooting on units – at factory location. *Note that the intent of training must not be to void manufacturer’s warranty; training is to certify attendees for support of unit(s) in the field.</p> <p>4.b. listed above is hereby amended to read:</p> <p>Training of State personnel (minimum of five (5)) on maintenance, operations, parts replacement and troubleshooting on units – at factory/Authorized Dealer location. *Note that the intent of training must not be to void manufacturer’s warranty; training is to certify attendees for support of unit(s) in the field.</p>		Qty	UOM	Unit Price	Extended Price	TRAINING, AT FACTORY LOCATION	1.0000	EA	_____	_____		Qty	UOM	Unit Price	Extended Price	TRAINING, AT FACTORY/ AUTHORIZED DEALER LOCATION	1.0000	EA	_____	_____
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QUESTIONS	ANSWERS
8. The Solicitation contains a Line Item # 19 for VOIP EQUIPMENT ADD ON. We can provide any sort of VoIP equipment necessary as a part of our response, but the State will have to provide information on how many VoIP lines this equipment will need to support.	The State is requesting information from the bidder on what VoIP options are available for the system the bidder is quoting. The State may potentially have one (1) unit with up to twenty-four (24) VoIP lines.
9. The Solicitation contains a Line Item for VIDEO STREAMING EQUIPMENT ADD ON. Is this a reference to a video encoder, or some other type of hardware? Can you please provide a complete description and specifications for the equipment being sought in Line Item # 20?	The State is requesting information from the bidder on what video streaming add ons are available. Currently, no specific needs have been identified.
10. The Solicitation contains the requirement "Precision of Drive Mechanisms – attach specifications." Is this a request for information other than what is in the "Complete specifications, manufacturer's descriptive literature and/or advertising data sheets" that is also being requested under this Solicitation?	No, the State is requesting the manufacturer's specifications. Ensure the information is included in the specifications provided within by the bidder.
11. Will you accept quotes for Ku band systems? Hardware size is not any different and there is more flexibility with form factors. Emergency responders also prefer Ku for the performance in inclement weather which most of our systems are used during storm/weather related problems.	The State is requesting bids for Ka-band equipment at this time.
12. How will the State of Nebraska compare pricing between offerers? For example, if vendor #1 quotes rates at 1GB, 10GB, and 100GB/month, but vendor #2 quotes rates at 3GB, 30GB, and 300GB/month, how would the two bids be measured against each other?	The rate plans are to be attached for informational purposes. This Invitation to Bid will be evaluated based on the line item prices bid.
13. What is the anticipated per-month usage in GB across the entire network of 10 terminals?	The State currently uses low bandwidth equipment, therefore no anticipated usage is known.
14. Are there other terminals beyond these 10 that will access the satellite network?	No.
15. Is the State of Nebraska expecting to have continuous use or occasional use of the satellite bandwidth?	The State anticipates occasional use of the satellite bandwidth.
16. What is the desired throughput? I.E. does the State of Nebraska expect service at a data rate of 1MBPS, 10MBPS, 100MBPS, etc. Both Upload and Download desired throughputs are requested please.	The State is requesting this information from bidders. See Bidder Instructions page 6 of 10, Items 1. (o) and (p) for bidder submission/notation of the maximum data speed up and down. Please write these in on the specifications in the space provided.

QUESTIONS	ANSWERS
17. How many days of training would the State of Nebraska wish to receive? Should we include basic satellite communications and networking theory as part of the training package?	The State is requesting operational training for equipment being quoted. Basic satellite communications and networking theory do not need to be included in the training package.
18. Does the State of Nebraska wish to receive training materials in addition to the classroom / field training environment (such as handouts, videos, etc.)	The State does want to receive training materials necessary to provide comprehensive operational training.
19. Referencing the Optional Add-Ons – Routers: Is the State of Nebraska seeking a wired Ethernet or wireless Ethernet solution for basic Internet capability?	Both are acceptable.
20. Referencing the Optional Add-Ons – Video: Is the State of Nebraska seeking the ability to conduct two-way video teleconferences? Would the State wish to have vehicle-mounted cameras, or laptop-mounted cameras, or something other?	There are no specific, identified requirements at this time.
21. Will the State of Nebraska provide a facility in which the terminals can be staged during the removal and replacement process?	The State will provide a facility for each installation in which the terminals can be staged during the removal and replacement process.
22. We assume the removed terminals will remain at the facility and in the control of the State of Nebraska.	The State will retain the removed terminals.
23. Will the State of Nebraska provide a facility in which the flyaway kits and other components can be staged and tested?	The State will provide a facility in which each of the flyaway kits and other components can be staged and tested.
24. Will the State of Nebraska provide a facility for training (classroom and operational training)?	The State will provide a facility for training, both operational and classroom if necessary.
25. Does the State of Nebraska require a specified response time for phone support? Immediately? 30-minutes?	The State requires an immediate response for phone support under warranty and post warranty.
26. What is the expected timeframe to provide on-site support from the initial request? This significantly impacts travel and labor costs - both are available but we want to make sure we are quoting the right level of support.	Desired response of 48 hours to base location in Lincoln, NE. Additional travel may be necessary. Please provide your hourly rate as indicated on the Invitation to Bid.
27. Will on-site support be requested/required on weekends and/or holidays (365-day response) or on business days only?	The State is requesting the bidder provide 365-day response for on-site support.

QUESTIONS	ANSWERS
28. For Travel cost, should we assume one (1ea.) full day on-site (10-hour block) or two half-days? This impacts whether travel is required the day before on-site support, or if we can have an on-site support engineer travel in the morning and arrive in the afternoon.	See the answer to Question #26.
29. The RFP references both a C-COM auto-deploy terminal as well as an AvL auto-deploy terminal for the vehicle-mounted solution. Should we quote both terminals or only one based on the State of Nebraska's bandwidth needs?	Yes, the bidder can provide multiple bid responses in separate identified packages.
30. On Page 7 of 10 of the Commodity Contract (p.14 of 4580rebid.pdf), 2.d) reads: "Removal and installation outside of Lincoln, NE will be necessary for orders placed by political subdivisions." Does this refer to terminals purchased by political subdivisions of Nebraska above and beyond the scope of this RFP (5ea. vehicle-mount and 5ea. flyaway terminals)?	Yes.
31. Will all five (5ea.) vehicles be available simultaneously at one facility for the removal/replacement/testing?	No. Installations may occur in phases.
32. For Replacement Parts Response Time - (Parts Only), should this timeframe include shipping timeframe?	Yes.
33. What caused this potential requisition to be a rebid?	The rebid was determined due to revisions in the specifications.
34. What year, make and model are each of the five command vehicles? ? Are drawings and pictures of these units available for review?	 <p data-bbox="824 1675 1386 1793">Pictured above is a 2004 Mack chassis from Lynch Diversified Vehicles. Other vehicles may include recreational type trailers utilized for this purpose.</p>
35. Why Ka-Band? Is a Ku-Band alternate acceptable for better operating economics if it operates across the entire State of Nebraska?	No. See answer to question 11.

<b>QUESTIONS</b>	<b>ANSWERS</b>
36. Will each command unit stand alone, or can the group of them share a common pool of bandwidth?	Each command unit will be a separate entity.

This addendum will become part of the bid and should be acknowledged with the ITB.

# FLY-75V

**iNetVu**<sup>®</sup>  
by C-COM Satellite Systems Inc.

## TECHNICAL SPECIFICATIONS

The iNetVu<sup>®</sup> FLY-75V Flyaway Antenna is a 75 cm satellite antenna system which is a highly portable, self-pointing, auto-acquire unit that is configurable with the iNetVu<sup>®</sup> 7710 Controller providing fast satellite acquisition within minutes, anytime anywhere. It can be assembled in 10 minutes by one person.

**"Compliant for use on Exede<sup>SM</sup> Ka Service by ViaSat and on KA-SAT NEWSPOTTER NEWSGATHERING service by Eutelsat"**



### Features

- One-Piece, high surface accuracy, offset feed, steel reflector
- Heavy duty feed arm capable of supporting up to 5kg (10lbs) Ka transceiver
- Designed to work with the iNetVu<sup>®</sup> 7710 Controller
- Works seamlessly with the world's emerging commercial ViaSat / KA-SAT satellite Surfbeam II/PRO Auto-acquire modems
- Auto beam select on KA-SAT Tooway services
- 2 Axis motorization
- Supports manual control when required
- One button, auto-pointing controller acquires Ka-band satellite within 2 minutes
- Captive hardware / Fasteners
- 10 minute assembly by one person, no tools required
- Compact packaging; 2 ruggedized cases
- Supports Skyware Global 75 cm Ka antenna
- Standard 2 year warranty

### Application Versatility

If you operate in Ka-band, the FLY-75V system is easily configured to provide instant access to satellite communications for any application that requires reliable and/or remote connectivity in a rugged environment. This next generation Flyaway Ka terminal delivers affordable broadband Internet services (High-speed access, video & Voice over IP, file transfer, e-mail or web browsing). Ideally suited for industries such as Oil & Gas Exploration, Military Communications, Disaster Management, SNG, Emergency Communications Backup, Cellular Backhaul and many others.

[www.c-comsat.com](http://www.c-comsat.com)  
613-745-4110 | 1-877-463-8886

**C-COM**  
SATELLITE SYSTEMS INC.

Specifications are subject to change

August 2010 (Draft)

# FLY-75V

# iNetVu®

by C-COM Satellite Systems Inc.

## TECHNICAL SPECIFICATIONS

### Mechanical

Reflector	75cm Elliptical Antenna, offset feed
Platform Geometry	Elevation over Azimuth
Deployment Sensors	GPS antenna Compass $\pm 2^\circ$ Tilt sensor $\pm 0.1^\circ$
Azimuth	$\pm 175^\circ$
Elevation	0 - $90^\circ$
Elevation Deploy Speed	Variable, 3°/sec typ.
Azimuth Deploy Speed	Variable 3°/sec typ.
Peaking Speed	0.1°/sec

### Environmental

Survival	
Ballast Deployed	100 km/h (60 mph)
Temperature	-40°C to 65°C (-40°F to 150°F)
Operational	
Wind - No Ballast or anchors	50 km/h (30 mph)
- With ballast	72 km/h (45 mph)
Temperature	-30°C to 60°C (-22°F to 140°F)

### Electrical

Rx & Tx Cable	Single IFL, RG6 cable - 10 m (33 ft)	
Control Cables		
Standard	10 m (33 ft) Ext. Cable	
Optional	up to 60 m (200 ft) available	
	<b>Receive</b>	<b>Transmit</b>
Frequency (GHz)	18.30 - 20.20	28.10 - 30.00
Feed Interface (Circular)	RG6	RG6
Nominal G/T	17.5 dB/K	
Nominal EIRP	48.4 dBW	

### RF Interface

Radio Mounting	Feed Arm
Coaxial	RG6U from transceiver to tripod base

### Physical

Case 1: Tripod/Reflector	L: 85 cm (33.5") H: 29 cm (11.5")	W: 85 cm (33.5") 32 Kg
Case 2: Controller/AZ/EL	L: 44.5 cm (17.5") H: 38 cm (15.5")	W: 80 cm (31.5") 32 Kg

### Motors

Electrical Interface	24VDC	8 Amp (Max.)
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### Shipping Weights & Dimensions

Case 1: 85 cm x 85 cm x 29 cm (33.5" x 33.5" x 11.5"); 32 kg
Case 2: 44.5cm x 80 cm x 38 cm (17.5" x 31.5" x 15.5"); 32 kg

[www.c-comsat.com](http://www.c-comsat.com)  
613-745-4110 | 1-877-463-8886

**C-COM**  
SATELLITE SYSTEMS INC.

Specifications are subject to change (Prototype)

August 2018 (Draft)