EXHIBIT 16 - #1

9-1-1 CPE BASIC TURN-KEY STAND-ALONE SYSTEM COST WORKSHEET

Instructions: Bidder must follow 1 through 7 when filling out this Cost Worksheet.

- 1) Bidder shall insert their Company name into the "Bidder's Name" field and Model name for the proposed system into the "Manufacturer/Model" field.
- 2) For all Line Items, the Bidder shall provide pricing for one unit of measure for evaluation.
- 3) The elements included in the Basic CPE Turn-key Configurations are detailed within the IFB Section 6.5. Bidder shall insert the price for the 9-1-1 CPE Basic Turn-key System Configuration based on the defined number of positions per each Line Item #. For configurations over 20 positions during initial installation or adding additional positions after installation, with all the same requirements as above.
- 4) The Equipment Unit Price shall include all equipment consisting of, but not limited to, preconfigured hardware, software, ancillary materials, and one year warranty.
- 5) The Implentation Unit Price shall include the cost of staging, installation, wiring, testing and training.
- 6) Bidders are to provide a Monthly Maintenance rate for years 2 through 5 for each Line Item #. The Monthly Maintenance begins, following acceptance of the implementation and after the one year warranty is complete. Monthly Maintenance shall include any updates (hot fix/patches) to hardware and software, and local PSAP site service required to keep the Line Item # fully operational which may include parts as needed to replace obsolete technology.
- 7) Bidder shall provide Additional Monthly Maintenance rate for Years 6 and 7, if needed by the PSAP or State.

Bidder's Name: Carousel Industries

Manufacturer/Model: Airbus DS Communications - VESTA 9-1-1

(a.)	(b.)	(c.)	(d.)	(e.)	(f.)	(g.)	(h.)	(i.)	(j.)
Line	, ,	Unit of	Basic Turn-key System Equipment Unit	Implementation	Maint.	TOTAL 5 Year Turn- key System		Monthly Maint. Rate	TOTAL Year 6 & 7 Maintenance
#	Workstations (Positions)	Each	Price	Unit Price	Years 2-5	c*[d+e+(f*48)]	Year 6	Year 7	(h*12)+(i*12)
1	Turn-key System - 2 Positons	1	\$82,387.75	\$46,002.50	\$780.96	\$165,876.25	\$948.29	\$948.29	\$22,758.89
2	Turn-key System - 3 Positions	1	\$94,163.25	\$47,357.50	\$1,130.27	\$195,773.75	\$1,340.25	\$1,340.25	\$32,166.11

3	Turn-key System - 4 Positions	1	\$105,938.75	\$48,997.50	\$1,479.58	\$225,956.25	\$1,732.22	\$1,732.22	\$41,573.33
4	Turn-key System - 5 Positions	1	\$117,714.25	\$50,137.50	\$1,828.90	\$255,638.75	\$2,124.19	\$2,124.19	\$50,980.56
5	Turn-key System - 6 Positions	1	\$129,489.75	\$51,277.50	\$2,178.21	\$285,321.25	\$2,516.16	\$2,516.16	\$60,387.78
6	Turn-key System - 7 Positions	1	\$141,265.25	\$52,632.50	\$2,527.52	\$315,218.75	\$2,908.13	\$2,908.13	\$69,795.00
7	Turn-key System - 8 Positions	1	\$154,429.64	\$53,772.50	\$2,876.83	\$346,290.14	\$3,300.09	\$3,300.09	\$79,202.22
8	Turn-key System - 9 Positions	1	\$166,205.14	\$54,912.50	\$3,226.15	\$375,972.64	\$3,692.06	\$3,692.06	\$88,609.44
9	Turn-key System - 10 Positions	1	\$177,980.64	\$56,552.50	\$3,575.46	\$406,155.14	\$4,084.03	\$4,084.03	\$98,016.67
10	Turn-key System - 11 Positions	1	\$239,195.56	\$67,045.00	\$3,600.21	\$479,050.56	\$4,476.00	\$4,476.00	\$107,423.89
11	Turn-key System - 12 Positions	1	\$252,623.89	\$68,185.00	\$3,912.87	\$508,626.67	\$4,867.96	\$4,867.96	\$116,831.11
12	Turn-key System - 13 Positions	1	\$266,949.66	\$69,325.00	\$4,225.53	\$539,100.21	\$5,259.93	\$5,259.93	\$126,238.33
13	Turn-key System - 14 Positions	1	\$280,377.99	\$70,465.00	\$4,538.19	\$568,676.32	\$5,651.90	\$5,651.90	\$135,645.56
14	Turn-key System - 15 Positions	1	\$293,806.32	\$71,820.00	\$4,850.86	\$598,467.44	\$6,043.87	\$6,043.87	\$145,052.78
15	Turn-key System - 16 Positions	1	\$307,234.66	\$73,460.00	\$5,163.52	\$628,543.55	\$6,435.83	\$6,435.83	\$154,460.00
16	Turn-key System - 17 Positions	1	\$319,765.56	\$74,600.00	\$5,476.18	\$657,222.22	\$6,827.80	\$6,827.80	\$163,867.22
17	Turn-key System - 18 Positions	1	\$333,193.89	\$75,740.00	\$5,788.84	\$686,798.33	\$7,219.77	\$7,219.77	\$173,274.44
18	Turn-key System - 19 Positions	1	\$346,622.22	\$77,095.00	\$6,101.50	\$716,589.44	\$7,611.74	\$7,611.74	\$182,681.67
19	Turn-key System - 20 Positions	1	\$360,050.56	\$78,235.00	\$6,414.17	\$746,165.56	\$8,003.70	\$8,003.70	\$192,088.89
20	At the time of installation, the cost of an additional IWS position per Section 6 for a Basic Turn-key system over 20 positions including all connectivity within the PSAP.	1	\$16,033.86	\$1,140.00	\$402.94	\$36,514.86	\$534.44	\$534.44	\$12,826.67
	After installation, the cost of an additional IWS per Section 6 for a Basic Turn-key system, including all hardware, software, training, cabling, and any additional materials necessary for install.		040,000,00	40.000 75	0.400 0.4	007.450.04	650444	\$504.44	040,000,00
21	,	1	\$16,033.86	\$2,083.75	\$402.94	\$37,458.61		\$534.44	\$12,826.67
					SUBTOTAL:	\$8,775,416.69]	SUBTOTAL:	\$2,066,707.22

TAB #1: GRAND TOTAL of TURN-KEY CPE WITH 5YR MAINT + 2YR MAINT:

\$10,842,123.91

EXHIBIT 16 - #2 9-1-1 CPE SYSTEM ITEMIZED COST WORKSHEET

Instructions: Bidder must follow 1 through 7 when filling out this Cost Worksheet.

- 1) Bidder shall insert their Company name into the "Bidder's Name" field.
- For all Line Items, the Bidder shall provide pricing for one unit of measure for evaluation.
- 3) These itemized items may be applied for Turn-key or Host-Remote Systems. Bidders are to provide their price for the equipment with features and functionality described for each line item. The Equipment Unit Price shall included all equipment, software, and one year warranty.
- 4) The Equipment Unit Price shall include all equipment consisting of, but not limited to, preconfigured hardware, software, ancillary materials, and one year warranty.
- 5) The Implentation Unit Price shall include the cost of staging, installation, wiring, testing and training.
- 6) Bidders are to provide a Monthly Maintenance rate for years 2 through 5 for each Line Item #. The Monthly Maintenance begins, following acceptance of the implementation and after the one year warranty is complete. Monthly Maintenance shall include any updates (hot fix/patches) to hardware and software, and local PSAP site service required to keep the Line Item # fully operational which may include parts as needed to replace obsolete technology.
- 7) Bidder shall provide Additional Monthly Maintenance rate for Years 6 and 7, if needed by the PSAP or State.

(a.)	(b.)	(c.)	(d.)	(e.)	(f.)	(g.)	(h.)	(i.)	(j.)
Line Item #		Unit of Measure Each	Equipment Unit Price	Implementation Unit Price	Monthly Maint. Rate Years 2 - 5	Total 5 Year Itemized c*[d+e+(f*48)]	Monthly Maint. Rate Year 6	Monthly Maint. Rate Year 7	TOTAL Year 6 & 7 Maintenance (h*12)+(i*12)
1	Laser jet printer, (LAN Network ready) capable of printing 15 pages per minute.	1	\$879.17	\$380.00	\$0.00	\$1,259.17	\$0.00	\$0.00	\$0.00
2	19" computer monitor to work with IWS.	1	\$402.78	\$190.00	\$0.00	\$592.78	\$0.00	\$0.00	\$0.00
3	22" computer monitor to work with IWS.	1	\$273.61	\$190.00	\$0.00	\$463.61	\$0.00	\$0.00	\$0.00
4	24" computer monitor to work with IWS.	1	\$529.17	\$190.00	\$0.00	\$719.17	\$0.00	\$0.00	\$0.00
5	Legacy Network Interface card with a minimum of 4 ports to accommodate Centralized Automatic Message Accounting (CAMA) or 10-Digit.	1	\$470.83	\$760.00	\$0.00	\$1,230.83	\$0.00	\$0.00	\$0.00

6	IP interface gateway/appliance	1	\$2,063.89	\$380.00	\$0.00	\$2,443.89	\$0.00	\$0.00	\$0.00
1 /	Chassis to mount interface line cards with all required interconnect cabling.	1	\$2,548.61	\$760.00	\$34.72	\$4,975.17	\$34.72	\$34.72	\$833.28
1 0	Uninterrupted Power Supply (UPS) for backroom equipment.	1	\$2,235.74	\$760.00	\$6.46	\$3,305.66	\$6.46	\$6.46	\$154.96
9	Uninterrupted Power Supply (UPS) for an IWS.	1	\$279.76	\$190.00	\$2.95	\$611.20	\$2.95	\$2.95	\$70.72
		SUBTOTAL:	\$15,601.48		SUBTOTAL:	\$1,058.96			

TAB #2: GRAND TOTAL of ITEMIZED ITEMS WITH 5YR MAINT + 2YR MAINT:

\$16,660.44

EXHIBIT 16 - #3

9-1-1 CPE HOST-REMOTE SYSTEM COST WORKSHEET

Instructions: Bidder must follow 1 through 7 when filling out this Cost Worksheet.

- 1) Bidder shall insert their Company name into the "Bidder's Name" field and Model name for the proposed system into the "Manufacturer/Model" field.
- 2) For all Line Items, the Bidder shall provide pricing for one unit of measure for evaluation.
- 3) The requirements for the 911 CPE Host-Remote Systems are detailed within the IFB Sections 6.6 6.8. Bidder shall insert the price for the individual host Line Item # and configurations with the defined number of positions per each Line Item #. For configurations over 20 positions during initial installation and adding additional positions after installation, with all the same requirements as above.
- 4) The Equipment Unit Price shall include all equipment consisting of, but not limited to, preconfigured hardware, software, ancillary materials, and one year
- 5) The Implentation Unit Price shall include the cost of staging, installation, wiring, testing and training.
- 6) Bidders are to provide a Monthly Maintenance rate for years 2 through 5 for each Line Item #. The Monthly Maintenance begins, following acceptance of the implementation and after the one year warranty is complete. Monthly Maintenance shall include any updates (hot fix/patches) to hardware and software, and local PSAP site service required to keep the Line Item # fully operational which may include parts as needed to replace obsolete technology.
- 7) Bidder shall provide Additional Monthly Maintenance rate for Years 6 and 7, if needed by the PSAP or State.

Bidder's Name:	Carousel Industries	
Manufacturer/Model:	Airbus DS Communications - VESTA 9-1-1	

(a.)	(b.)	(c.)	(d.)	(e.)	(f.)	(g.)	(h.)	(i.)	(j.)
Line Item #		Unit of Measure Each	Equipment Unit Price	Implementation Unit Price	Monthly Maint. Rate Years 2-5	TOTAL 5 Year Host- Remote System Items c*[d+e+(f*48)]	Maint.	Monthly Maint. Rate Year	TOTAL Year 6 & 7 Maintenance (h*12)+(i*12)
	The first Host of a Host-Remote System, including all backroom equipment as described in Sections 6.6 - 6.8	1	\$50,490.28	\$31,682.50	\$24.91	\$83,368.33	\$80.44	\$80.44	\$1,930.67

2	The second or additional Host of a Host- Remote System, including all backroom equipment as described in Section 6.6 - 6.8	1	\$50,490.28	\$31,682.50	\$24.91	\$83,368.33	\$80.44	\$80.44	\$1,930.67
3	Remote PSAP with 1 position including all connectivity within the PSAP	1	\$16,033.86	\$16,102.50	\$402.94	\$51,477.36	\$534.44	\$534.44	\$12,826.67
4	Remote PSAP with 2 positions including all connectivity within the PSAP.	1	\$41,341.25	\$17,207.50	\$805.88	\$97,230.75	\$853.38	\$853.38	\$20,481.11
5	connectivity within the PSAP.	1	\$50,687.50	\$18,347.50	\$1,155.19	\$124,484.00	\$1,089.97	\$1,089.97	\$26,159.17
6	connectivity within the PSAP.	1	\$60,033.75	\$19,487.50	\$1,504.50	\$151,737.25	\$1,637.31	\$1,637.31	\$39,295.56
7	connectivity within the PSAP.	1	\$69,380.00	\$20,627.50	\$1,853.81	\$178,990.50	\$2,029.28	\$2,029.28	\$48,702.78
8	connectivity within the PSAP.	1	\$75,078.25	\$21,982.50	\$2,203.13	\$202,810.75	\$2,421.25	\$2,421.25	\$58,110.00
9	connectivity within the PSAP.	1	\$83,382.50	\$23,122.50	\$2,552.44	\$229,022.00	\$2,813.22	\$2,813.22	\$67,517.22
10	connectivity within the PSAP.	1	\$93,075.64	\$24,762.50	\$2,901.75	\$257,122.14	\$3,205.19	\$3,205.19	\$76,924.44
11	connectivity within the PSAP.	1	\$101,379.89	\$25,902.50	\$3,251.06	\$283,333.39	\$3,597.15	\$3,597.15	\$86,331.67
12	connectivity within the PSAP.	1	\$109,684.14	\$27,257.50	\$3,600.38	\$309,759.64	\$3,989.12	\$3,989.12	\$95,738.89
13	connectivity within the PSAP.	1	\$156,834.56	\$28,397.50	\$3,558.45	\$356,037.61	\$4,381.09	\$4,381.09	\$105,146.11
14	connectivity within the PSAP.	1	\$168,033.17	\$29,537.50	\$3,871.11	\$383,384.00	\$4,773.06	\$4,773.06	\$114,553.33
15	connectivity within the PSAP.	1	\$180,204.00	\$30,677.50	\$4,183.77	\$411,702.61	\$5,165.02	\$5,165.02	\$123,960.56
16	connectivity within the PSAP.	1	\$191,402.61	\$32,532.50	\$4,496.44	\$439,764.00	\$5,556.99	\$5,556.99	\$133,367.78
17	connectivity within the PSAP.	1	\$202,601.22	\$33,672.50	\$4,809.10	\$467,110.39	\$5,948.96	\$5,948.96	\$142,775.00
18	connectivity within the PSAP.	1	\$213,799.83	\$34,812.50	\$5,121.76	\$494,456.78	\$6,340.93	\$6,340.93	\$152,182.22
19	connectivity within the PSAP.	1	\$224,026.22	\$35,952.50	\$5,434.42	\$520,830.94	\$6,732.89	\$6,732.89	\$161,589.44
20	connectivity within the PSAP.	1	\$235,224.83	\$37,307.50	\$5,747.08	\$548,392.33	\$7,124.86	\$7,124.86	\$170,996.67
21	connectivity within the PSAP.	1	\$246,423.44	\$38,447.50	\$6,059.75	\$575,738.72	\$7,516.83	\$7,516.83	\$180,403.89

					SUBTOTAL:	\$7,068,872.36		SUBTOTAL:	\$2,023,888.28
25	After intial installation, the cost at an individual Host to add another PSAP to an existing Host-Remote system. Priced as each.	1	\$46,073.06	\$29,510.00	· ·				\$833.33
24	After intial installation, the cost to add an additional position to a Remote PSAP within a Host-Remote system including all hardware, software, training, cabling and any additional materials necessary for install. Priced as each.	1	\$16,033.86	\$2,083.75	\$402.94	\$37,458.61	\$256.67	\$256.67	\$6,160.00
23	At the time of installation, the cost to add an additional position for a Remote PSAP configuration over 20 positions in a Host-Remote system including all connectivity within the PSAP. Priced as each.	1	\$16,033.86	\$1,140.00	\$402.94	\$36,514.86	\$256.67	\$256.67	\$6,160.00
22	connectivity within the PSAP.	1	\$257,622.06	\$40,087.50	\$6,372.41	\$603,585.11	\$7,908.80	\$7,908.80	\$189,811.11

TAB #3: GRAND TOTAL of HOST-REMOTE INCLUDING 5YR MAINT + 2YR MAINT:

\$9,092,760.64

EXHIBIT 16 - #4 APPLICATIONS AND PERIPHERALS COST WORKSHEET

Instructions: Bidder must follow 1 through 7 when filling out this Cost Worksheet.

- 1) Bidder shall insert their Company name into the "Bidder's Name" field.
- 2) For all Line Items, the Bidder shall provide pricing for one unit of measure for evaluation.
- 3) Bidders are to provide their price for the equipment with features and functionality described for each line item per IFB Section 6.9 which are applicable to the Telecommunicatior call taking operations.
- 4) The Equipment Unit Price shall include all equipment consisting of, but not limited to, preconfigured hardware, software, ancillary materials, and one year warranty.
- 5) The Implentation Unit Price shall include the cost of staging, installation, wiring, testing and training.
- 6) Bidders are to provide a Monthly Maintenance rate for years 2 through 5 for each Line Item #. The Monthly Maintenance begins, following acceptance of the implementation and after the one year warranty is complete. Monthly Maintenance shall include any updates (hot fix/patches) to hardware and software, and local PSAP site service required to keep the Line Item # fully operational which may include parts as needed to replace obsolete technology.
- 7) Bidder shall provide Additional Monthly Maintenance rate for Years 6 and 7, if needed by the PSAP or State.

(a.)	(b.)	(c.)	(d.)	(e.)	(f.)	(g.)	(h.)	(i.)	(j.)
	100					TOTAL	Additional	Additional	2.0000
					Monthly	5 Year	Monthly	Monthly	TOTAL
Line					Maint.	App/Peripheral	Maint.	Maint.	Year 6 & 7
Item		Unit of	Equipment	Implementation	Rate	Items	Rate	Rate	Maintenance
#	Application or Peripheral	Measure	Unit Price	Unit Price	Years 2-5	c*[d+e+(f*48)]	Year 6	Year 7	(h*12)+(i*12)
	Geographical Information System (GIS)			1:					
	Mapping System functionality including							0	
	all required server hardware and								
	software, including a license as needed,						- (
	in the PSAP backroom <i>or</i> Host								
1	location.	1	\$4,861.11	\$5,477.78	\$0.00	\$10,338.89	\$0.00	\$0.00	\$0.00

2	Geographical Information System (GIS) Mapping System functionality per IWS including all required hardware, software, including a license as needed, training, cabling and any additional materials for install.	1	\$5,188.89	\$1,440.00	\$48.61	\$8,962.17	\$48.61	\$48.61	\$1,166.64
3	Digital Voice Logging Recorder (DVLR) with minimum of 12 analog/VoIP channels including all required hardware, software, including a license as needed, training, cabling and any additional materials for install.	1	\$22,480.00	\$1,292.00	\$43.10	\$25,840.80	\$43.10	\$43.10	\$1,034.40
4	Digital Voice Logging Recorder (DVLR) with minimum of 32 analog/VoIP channels including all required hardware, software, including a license as needed, training, cabling and any additional materials for install.	1	\$53,881.00	\$3,096.00	\$103.25	\$61,933.00	\$103.25	\$103.25	\$2,478.00
5	Digital Voice Logging Recorder (DVLR) with minimum of 64 analog/VoIP channels including all required hardware, software, including a license as needed, training, cabling and any additional materials for install.	1	\$93,723.00	\$5,386.00	\$179.56	\$107,727.88	\$179.56	\$179.56	\$4,309.44
6	Digital Voice Logging Recorder (DVLR) with minimum of 96 analog/VoIP channels including all required hardware, software, including a license as needed, training, cabling and any additional materials for install.	1	\$127,044.00	\$7,302.00	\$243.38	\$146,028.24	\$243.38	\$243.38	\$5,841.12
7	External Time Source per Section 6.9.3.	1	\$10,927.78	\$760.00	\$0.00	\$11,687.78	\$0.00	\$0.00	\$0.00
8	Real-Time Call Status System per Section 6.9.4	1	\$7,111.11	\$0.00	\$48.61	\$9,444.39	\$48.61	\$48.61	\$1,166.64
9	Real-Time Call Status Display per Section 6.9.5	1	\$6,109.72	\$760.00	\$0.00	\$6,869.72	\$0.00	\$0.00	\$0.00
10	Integrated SMS Text Function Activation in the PSAP or Host location with setup and training.	1	\$0.00	\$34,266.67	\$0.00	\$34,266.67	\$0.00	\$0.00	\$0.00

					SUBTOTAL:	\$446,547.65		SUBTOTAL:	\$16,812.72
18	required hardware, software, including a license as needed, training, cabling and any additional materials for install.	1	\$833.33	\$581.60	\$9.72	\$1,881.49	\$9.72	\$9.72	\$233.28
	Management Information System (MIS) functionality per IWS including all								
17	Management Information System (MIS) functionality including all required server hardware and software, including a license as needed, in the PSAP backroom or Host location.	1	\$12,936.11	\$1,109.38	\$0.00	\$14,045.49	\$0.00	\$0.00	\$0.00
16	Automatic Call Distribution (ACD) functionality per IWS/Agent including all required hardware, software, including a license as needed, training, cabling and any additional materials for install.	1	\$291.67	\$902.78	\$24.30	\$2,360.85	\$24.30	\$24.30	\$583.20
15	Automatic Call Distribution (ACD) Site Activation functionality including all required server hardware and software, including a license as needed, in the PSAP backroom or Host location.	1	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
14	IP Phone Set per Section 6.9.8	1	\$1,216.67	\$347.22	\$0.00	\$1,563.89	\$0.00	\$0.00	\$0.00
12 13	TCC connection. Call-taker Headset per Section 6.9.7.	1	\$2,063.89 \$650.00	\$380.00 \$0.00	\$0.00 \$0.00	\$2,443.89 \$650.00		\$0.00 \$0.00	
11	Integrated SMS Text Function per IWS with set-up and training. IP Router with Firewall for IP calls or	1	\$0.00	\$502.50	\$0.00	\$502.50	\$0.00	\$0.00	\$0.00

TAB #4: GRAND TOTAL of APPLICATIONS AND PERIPHERALS WITH 5YR MAINT + 2YR MAINT:

\$463,360.37

EXHIBIT 16 - #5 LABOR RATES COST WORKSHEET

(a.)	(b.)	(c.)	(d.)	(e.)	(f.)	(g.)	(h.)	(i.)
Line Item #	Classification	Hourly Rate Years 1-3	Hourly Rate Year 4	Hourly Rate Year 5	Hourly Rate Year 6	Hourly Rate Year 7	Estimated annual hours	Evaluation Total [(3*c)+(d+e+f+g)]*h
1	Factory-Trained Certified Technician	\$190.00	\$190.00	\$190.00	\$190.00	\$190.00	100	\$133,000.00
2	Technician	\$150.00	\$150.00	\$150.00	\$150.00	\$150.00	50	\$52,500.00
3	System Engineer	\$190.00	\$190.00	\$190.00	\$190.00	\$190.00	40	\$53,200.00
4	Project Manager	\$125.00	\$125.00	\$125.00	\$125.00	\$125.00	40	\$35,000.00
ГАВ #5	LABOR RATES EVALUATION TOTAL:							\$273,700.00

EXHIBIT 16 - #6 SUMMARY COST WORKSHEET FOR TABS 1-5.

TAB #1: GRAND TOTAL of TURN-KEY CPE WITH 5YR MAINT + 2YR MAINT:	\$10,842,123.91
TAB #2: GRAND TOTAL of ITEMIZED ITEMS WITH 5YR MAINT + 2YR MAINT:	\$16,660.44
TAB #3: GRAND TOTAL of HOST-REMOTE INCLUDING 5YR MAINT + 2YR MAINT:	\$9,092,760.64
TAB #4: GRAND TOTAL of APPLICATIONS AND PERIPHERALS WITH 5YR MAINT + 2YR MAINT:	\$463,360.37
TAB #5: LABOR RATES EVALUATION TOTAL:	\$273,700.00
GRAND TOTAL:	\$20,688,605.36