

**Data Interoperability Community of Interest  
Cost Model Tables**

<b>Community of Interest Cost</b>		
<b>Item</b>	<b>Description</b>	<b>Cost</b>
1	COI Term. 2 years. 6 meetings per year. Each meeting is 1 staff week. Staff time cost per meeting is \$100 per hour. (2 x 6 x 40 x \$100 x 25 staff)	\$1,200,000.00
	Meeting Room costs \$4000 per meeting (room plus facilities charges and refreshments is \$800 per day. (4,000 x 12)	\$48,000.00
	Travel, Hotel, and Per Diem cost per attendee per meeting, \$1500. (25 x 12 x \$1500)	\$450,000.00
2	Full Time Chair. Salary and Benefits \$300K. Travel et al, \$100K. For two years.	\$800,000.00
3	Full Time Editor. Salary and Benefits \$225K. Travel et al, \$100K.	\$650,000.00
4	25% Part Time COI Secretary. Salary and Benefits \$160K. Travel et al, \$100K.	\$280,000.00
5	Membership 25. Non meeting participation time. 2000 hours over two years at \$100 per hour (25 x 2000 hours x \$100 per hour)	\$5,000,000.00
6	Computing resources for website, standard, software, and information sharing over two years.	\$25,000.00
7	Business Information System modification to accommodate Data Interoperability Standard.  6 database objects (5 tables each) per system. 80 Function Points per table at \$200 per function point  (6 x 5 x 80 x 200 x 10)	\$4,800,000.00
<b>Total COI Cost</b>		<b>\$13,253,000.00</b>

<b>Stove Pipe Interoperability Costs</b>		
<b>Item</b>	<b>Description</b>	<b>Cost</b>
1	10 Systems are to be interfaced. Quantity of Interfaces is $(n \times (n-1))/2 = 45$ .	n/a
2	Each Interface consists of 4 database objects with 5 tables per database object.	n/a
3	Interface Discovery Meetings. 4 meetings. Each meeting is 2 staff days. Term four months. 3 staff per interface organization. Staff time cost per meeting is \$100. 45 Interfaces. (4 meetings x 2 days x 2 organizations x 3 person per organization x 8 hours per day x \$100 per hour x 45 Interfaces)	\$1,728,000.00
	Meeting Room costs \$1600 per meeting (room plus facilities charges and refreshments is \$800 per day. (\$1600 x 4 x 45)	\$288,000.00
	Travel, Hotel, and Per Diem cost per attendee per meeting, \$1000. (6 staff x 4 meetings x \$1000 per meeting x 45)	\$1,080,000.00
4	Interface Management. Non meeting participation time. 50% over four months, and 50% time over next six months to manage interface implementation. 2 persons per organization per interface.  10 months x 50% x 2 x 4.33 x 40 x \$100 x 45 interfaces.	\$7,794,000.00
5	Interface Implementation. Computing resources per interface. Server, 10 terminals, website over two years \$5,000 per interface.	\$225,000.00
6	Per Interface Cost: 4 database objects per interface (5 tables each) per Interface. Each Interface is 20 tables x 80 function points per table x \$200 per function point.  (4 x 5 x 80 x 200 x 45)	\$14,400,000.00
<b>Total Interface Costs</b>		<b>\$25,515,000.00</b>

<b>Incremental Cost to add an 11<sup>th</sup> System. Community of Interest</b>		
<b>Item</b>	<b>Description</b>	<b>Cost</b>
1	Meet with Chair, Editor and Secretary. 2 staff weeks. 5 persons from new Interfacing Organization. \$100 per hour.  Chair (1 day) (1 x 8 x \$200 per hour = \$1600) Editor (10 days) (1 x 10 x 8 x \$150 per hour = \$12,000) Secretary (5 days) (1 x 5 x 8 x \$75 per hour = \$3,000) Interfacing Organization (5 x 10 x 8 x \$100 per hour = \$40,800)	\$57,600.00
	Meeting Room costs \$8000 per meeting (room plus facilities charges and refreshments is \$800 per day. (\$8000 x 1)	\$8,000.00
	Travel, Hotel, and Per Diem cost per attendee per meeting, \$2500. (8 staff x 1 meetings x \$2500 per meeting)	\$20,000.00
2	Non meeting participation time. 500 hours over six months at \$100 per hour (1 x 500 hours x \$100 per hour)	\$50,000.00
3	Business Information System modification to accommodate Data Interoperability Standard.  6 database objects (5 tables each) per system. 80 Function Points per table at \$200 per function point  (6 x 5 x 80 x 200 x 1)	\$480,000.00
Incremental Cost to add one additional Business Information System		\$615,600.00

<b>Incremental Cost to add an 11<sup>th</sup> System. Stove-Pipe</b>		
<b>Item</b>	<b>Description</b>	<b>Cost</b>
1	Interface Discovery Meetings. 4 meetings. Each meeting is 2 staff days. Term four months. 3 staff per interface organization. Staff time cost per meeting is \$100. 10 Interfaces. (4 meetings x 2 days x 2 organizations x 3 person per organization x 8 hours per day x \$100 per hour x 10 Interfaces)	\$384,000.00
	Meeting Room costs \$1600 per meeting (room plus facilities charges and refreshments is \$800 per day. (\$1600 x 4 x 10)	\$64,000.00
	Travel, Hotel, and Per Diem cost per attendee per meeting, \$1000. (6 staff x 4 meetings x \$1000 per meeting x 10)	\$240,000.00
2	Interface Management. Non meeting participation time. 50% over four months, and 50% time over next six months to manage interface implementation. 2 persons per organization per interface.  10 months x 50% x 2 x 4.33 x 40 x \$100 x 10 interfaces.	\$1,732,000.00
3	Interface Implementation. Computing resources per interface. Server, 2 terminals, website over two years \$5,000 per interface.	\$50,000.00
4	Per Interface Cost: 4 database objects per interface (5 tables each) per Interface. Each Interface is 20 tables x 80 function points per table x \$200 per function point.  (4 x 5 x 80 x 200 x 10)	\$3,200,000.00
Incremental Cost to add one additional Business Information System		\$5,670,000.00