

**Title Transfer Tracking Pilot Test Task Force
Project Plan
Business Case # 12**

Working Group Members (active):

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1. Base Business Case

See attached Base Case Diagram and Base Case "Transactions for all Scenarios" document.

2. Model Description:

Both the TSP and multiple TTTSP's provide the TTT service (a) on one side of the nominatable point; (b) on both sides of the nominatable point; and, (c) at the point.

3. Transactional Flow Chart

Attached as TTT and transportation nominations and confirmations. (c12trans.xls and c12confs.xls respectively)

4. Energy Balance by Point

See attached TTTMASS.XLS spreadsheet.

5. Documents needed, Roles and Responsibilities

See attached Section 5 Table - Documents Needed, Roles and Responsibilities

6. Preliminary Evaluation - Strengths and Weaknesses

See attached Assumptions, Strengths & Weaknesses

7. Data Elements

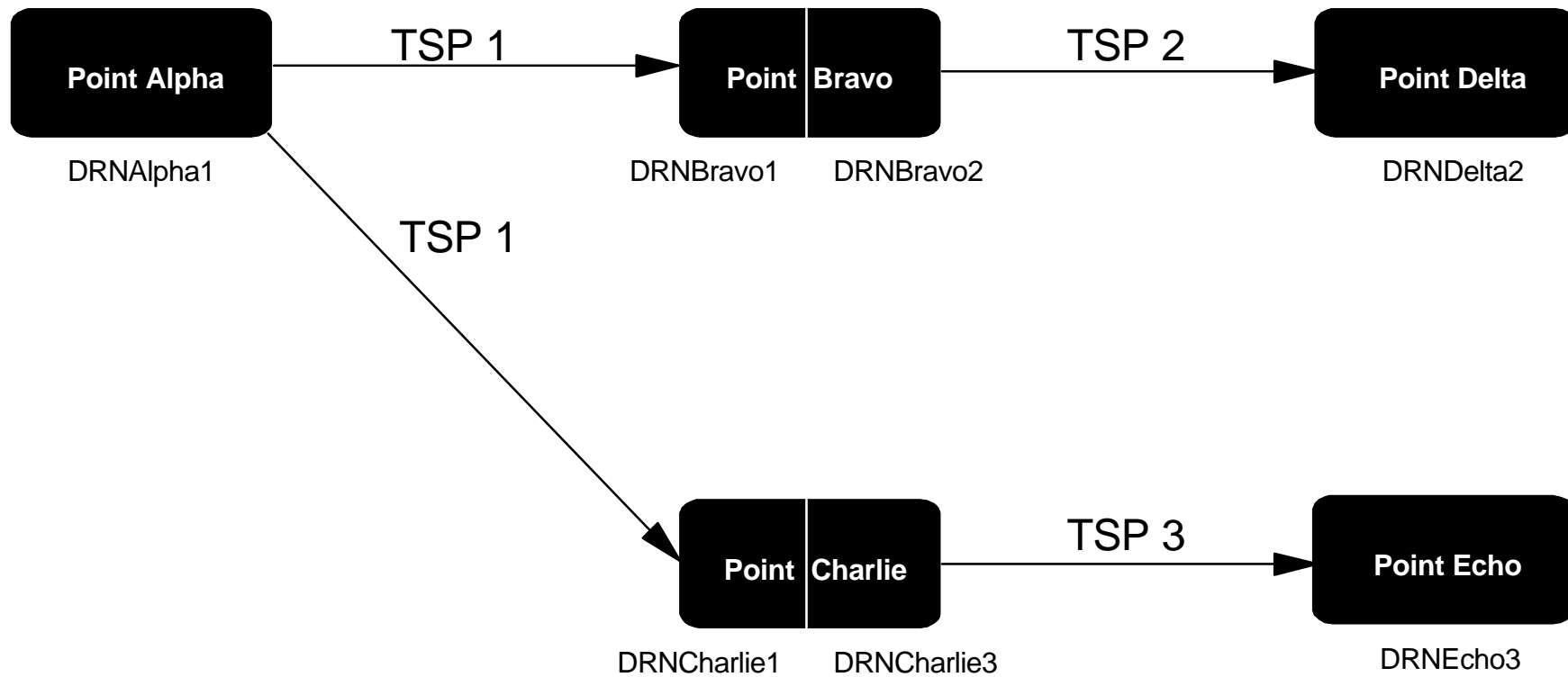
8. Define Error Tests

9. Standards Changes

See attached Section 9 - Proposed Changes to Existing Standards or New Standards

TTT PT TF

Title Transfer Tracking Base Case Diagram



TTT PT TF
TITLE TRANSFER TRACKING BASE CASE
Transactions for all Scenarios
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TSP1

Ownership into Point Alpha
 DRNAlpha 1

Co. A 30 units
 Co. B 10 units
 Co. C 10 units
 Co. D 50 units

Total Units Into
 Point Alpha = 100

Sales @ Point Alpha

Co. A to Co. E 5 units
 Co. A to Co. F 5 units
 Co. B to Co. G 10 units
 Co. C to Co. H 10 units
 Co. D to Co. F 10 units
 Co. D to Co. Z 20 units
 Co. D' to Co. Z 10 units
 Co. E to Co. G 5 units
 Co. F to Co. Z 5 units
 Co. H to Co. G 10 units
 Co. F to Co. Z 10 units
 Co. Z to Co. A 5 units
 Co. A to Co. J 5 units
 Co. Z to Co. J 10 units
 Co. J to Co. K 5 units
 Co. K to Co. G 5 units

Ownership Out of Point Alpha

Co. A 20 units
 Co. D 10 units
 Co. Z 30 units
 Co. G 30 units
 Co. J 10 units

Total Units Out Of
 Point Alpha = 100

**Nominations to TSP 1 From
 Point Alpha to Point Bravo**
 DRNAlpha1 to DRNBravo1

Co. A 20 units
 Co. D 10 units
 Co. Z 20 units
 Co. G 30 units
 Co. J 5 units

Total Units From Point Alpha
 To Point Bravo = 85

**Nominations to TSP 1 From
 Point Alpha to Point Charlie**
 DRNAlpha1 to DRNCharlie1

Co. Z 10 units
 Co. J 5 units

Total Units From Point Alpha
 To Point Charlie = 15

TTT PT TF
TITLE TRANSFER TRACKING BASE CASE
Transactions for all Scenarios
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TSP2

Ownership into Point Bravo

DRNBravo1

Co. A	20 units
Co. D	10 units
Co. Z	20 units
Co. G	30 units
Co. J	5 units

Point Bravo = 85

Sales @ Point Bravo

Co. G to Co. Z	30 units
Co. D to Co. I	10 units
Co. Z to Co. I	10 units
Co. Z to Co. D	10 units

Ownership Out of Point Bravo

Co. A	20 units
Co. D	10 units
Co. Z	30 units
Co. I	20 units
Co. J	5 units

Total Units Out Of
Point Bravo = 85

**Nominations to TSP 2 From
Point Bravo to Point Delta**

DRNBravo2 to DRNDelta2

Co. A	20 units
Co. D	10 units
Co. Z	30 units
Co. I	20 units
Co. J	5 units

Total Units From Point Bravo
To Point Charlie = 85

**TTT PT TF
TITLE TRANSFER TRACKING BASE CASE
Transactions for all Scenarios
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TSP3

Ownership into Point Charlie
DRNCharlie1

Co. Z 10 units
Co. J 5 units

Total Units Into
Point Charlie = 15

Sales @ Point Charlie

Co. Z to Co. J 5 units

Ownership Out of Point Charlie

Co. Z 5 units
Co. J 10 units

Total Units Out Of
Point Charlie = 15

**Nominations to TSP 3 From
Point Charlie to Point Echo**
DRNCharlie3 to DRNEcho3

Co. Z 5 units
Co. J 10 units

Total Units From Point Charlie
To Point Echo = 15

TTT PT TF
TITLE TRANSFER TRACKING BASE CASE
Transactions for all Scenarios
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TSP2

Ownership into Point Delta
 DRNDelta2

Co. A	20 units
Co. J	5 units
Co. Z	30 units
Co. I	20 units
Co. D	10 units

Sales @ Point Delta

Co. A to Co. L	15 units
Co. L to Co. N	5 units
Co. J to Co. L	5 units
Co. Z to Co. M	10 units
Co. I to Co. M	20 units
Co. M to Co. D	30 units

Ownership Out of Point Delta

Co. A	5 units
Co. Z	20 units
Co. D	40 units
Co. L	15 units
Co. N	5 units

Total Units Into
 Point Delta = 85

Total Units Out Of
 Point Delta = 85

Title Transfer Transaction Nominations at Point Alpha

Serial Number	Nomination Form	Service Provider	Service Requester	Upstream Entity	Downstream Entity	Quantity:	Receipt Point	Delivery Point
1	TTT Nomination	TTTSP	A	supplier	A	10	Alpha	
2	TTT Nomination	TSP1	A	supplier	A	20	Alpha	
3	TTT Nomination	TTTSP	B	supplier	B	10	Alpha	
4	TTT Nomination	TTTSP	C	supplier	C	10	Alpha	
5	TTT Nomination	TTTSP	D	supplier	D	40	Alpha	
6	TTT Nomination	TSP1	D	supplier	D	10	Alpha	
7	TTT Nomination	TTTSP	E	A	E	5	Alpha	
8	TTT Nomination	TTTSP	F	A	F	5	Alpha	
9	TTT Nomination	TTTSP	G	B	G	10	Alpha	
10	TTT Nomination	TTTSP	H	C	H	10	Alpha	
11	TTT Nomination	TTTSP	F	D	F	10	Alpha	
12	TTT Nomination	TTTSP	Z	D	Z	20	Alpha	
13	TTT Nomination	TTTSP	Z	D	Z	10	Alpha	
14	TTT Nomination	TTTSP	G	E	G	5	Alpha	
15	TTT Nomination	TTTSP	Z	F	Z	5	Alpha	
16	TTT Nomination	TTTSP	G	H	G	10	Alpha	
17	TTT Nomination	TTTSP	Z	F	Z	10	Alpha	
18	TTT Nomination	TTTSP	A	Z	A	5	Alpha	
19	TTT Nomination	TTTSP	J	A	J	5	Alpha	
20	TTT Nomination	TTTSP	J	Z	J	10	Alpha	
21	TTT Nomination	TTTSP	K	J	K	5	Alpha	
22	TTT Nomination	TTTSP	G	K	G	5	Alpha	
23	TTT Nomination	TSP1	Z	TTTSP	Z	30	Alpha	
24	TTT Nomination	TSP1	G	TTTSP	G	30	Alpha	
25	TTT Nomination	TSP1	J	TTTSP	J	10	Alpha	
26	TTT Nomination	TTTSP1	supplier	supplier	A	10	Alpha	
27	TTT Nomination	TSP1	supplier	supplier	A	20	Alpha	
28	TTT Nomination	TTTSP	supplier	supplier	B	10	Alpha	
29	TTT Nomination	TTTSP	supplier	supplier	C	10	Alpha	
30	TTT Nomination	TTTSP	supplier	supplier	D	40	Alpha	
31	TTT Nomination	TSP1	supplier	supplier	D	10	Alpha	
32	TTT Nomination	TTTSP	A	A	E	5	Alpha	
33	TTT Nomination	TTTSP	A	A	F	5	Alpha	
34	TTT Nomination	TTTSP	B	B	G	10	Alpha	
35	TTT Nomination	TTTSP	C	C	H	10	Alpha	
36	TTT Nomination	TTTSP	D	D	F	10	Alpha	
37	TTT Nomination	TTTSP	D	D	Z	20	Alpha	
38	TTT Nomination	TTTSP	D	D	Z	10	Alpha	
39	TTT Nomination	TTTSP	E	E	G	5	Alpha	
40	TTT Nomination	TTTSP	F	F	Z	5	Alpha	
41	TTT Nomination	TTTSP	H	H	G	10	Alpha	
42	TTT Nomination	TTTSP	F	F	Z	10	Alpha	
43	TTT Nomination	TTTSP	Z	Z	A	5	Alpha	
44	TTT Nomination	TTTSP	A	A	J	5	Alpha	
45	TTT Nomination	TTTSP	Z	Z	J	10	Alpha	
46	TTT Nomination	TTTSP	J	J	K	5	Alpha	
47	TTT Nomination	TTTSP	K	K	G	5	Alpha	
48	TTT Nomination	TSP1	TTTSP	TTTSP	Z	30	Alpha	
49	TTT Nomination	TSP1	TTTSP	TTTSP	G	30	Alpha	
50	TTT Nomination	TSP1	TTTSP	TTTSP	J	10	Alpha	

Transportation Transaction Nominations Out of Point Alpha

Serial Number	Nomination Form	Service Provider	Service Requester	Upstream Entity	Downstream Entity	Quantity:	Receipt Point	Delivery Point
51	Transportation	TSP1	A			20	Alpha	Bravo
52	Transportation	TSP1	D			10	Alpha	Bravo
53	Transportation	TSP1	Z			20	Alpha	Bravo
54	Transportation	TSP1	G			30	Alpha	Bravo
55	Transportation	TSP1	J			5	Alpha	Bravo
56	Transportation	TSP1	Z			10	Alpha	Charlie
57	Transportation	TSP1	J			5	Alpha	Charlie

Title Transfer Transaction Nominations at Point Bravo

Serial Number	Nomination Form	Service Provider	Service Requester	Upstream Entity	Downstream Entity	Quantity:	Receipt Point	Delivery Point
58	TTT Nominations	TTTSP1	I	D	I	10	Bravo	
59	TTT Nominations	TTTSP1	I	Z	I	10	Bravo	
60	TTT Nominations	TTTSP2	D	Z	D	10	Bravo	
61	TTT Nominations	TTTSP2	Z	G	Z	30	Bravo	
62	TTT Nominations	TSP2	D	TTTSP	D	10	Bravo	
63	TTT Nominations	TSP2	Z	TTTSP	Z	30	Bravo	
64	TTT Nominations	TSP2	I	TTTSP	I	20	Bravo	
65	TTT Nominations	TTTSP1	D	D	I	10	Bravo	
66	TTT Nominations	TTTSP1	Z	Z	I	10	Bravo	
67	TTT Nominations	TTTSP2	Z	Z	D	10	Bravo	
68	TTT Nominations	TTTSP2	G	G	Z	30	Bravo	
69	TTT Nominations	TSP2	TTTSP	TTTSP	D	10	Bravo	
70	TTT Nominations	TSP2	TTTSP	TTTSP	Z	30	Bravo	
71	TTT Nominations	TSP2	TTTSP	TTTSP	I	20	Bravo	

Transportation Transaction Nominations Out of Point Bravo

Serial Number	Nomination Form	Service Provider	Service Requester	Upstream Entity	Downstream Entity	Quantity:	Receipt Point	Delivery Point
72	Transportation	TSP2	A			20	Bravo	Delta
73	Transportation	TSP3	D			10	Bravo	Delta
74	Transportation	TSP4	Z			30	Bravo	Delta
75	Transportation	TSP5	I			20	Bravo	Delta
76	Transportation	TSP6	J			5	Bravo	Delta

Title Transfer Transaction Nominations at Point Charlie

Serial Number	Nomination Form	Service Provider	Service Requester	Upstream Entity	Downstream Entity	Quantity:	Receipt Point	Delivery Point
77	TTT Nominations	TTSP	J	Z	J	5	Charlie	
78	TTT Nominations	TSP	J	TTTSP	J	5	Charlie	
79	TTT Nominations	TTSP	Z	Z	J	5	Charlie	
80	TTT Nominations	TSP	TTTSP	TTTSP	J	5	Charlie	

Transportation Transaction Nominations Out of Point Charlie

Serial Number	Nomination Form	Service Provider	Service Requester	Upstream Entity	Downstream Entity	Quantity:	Receipt Point	Delivery Point
81	Transportation	TSP3	Z			5	Charlie	Echo
82	Transportation	TSP3	J			10	Charlie	Echo

Title Transfer Transaction Nominations at Point Delta

Serial Number	Nomination Form	Service Provider	Service Requester	Upstream Entity	Downstream Entity	Quantity:	Receipt Point	Delivery Point
83	TTT Nominations	TTTSP	L	A	L	15	Delta	
84	TTT Nominations	TTTSP	L	J	L	5	Delta	
85	TTT Nominations	TTTSP	N	L	N	5	Delta	
86	TTT Nominations	TTTSP	M	Z	M	10	Delta	
87	TTT Nominations	TTTSP	M	I	M	20	Delta	
88	TTT Nominations	TTTSP	D	M	D	30	Delta	
89	TTT Nominations	TSP4	D	TTTSP	D	30	Delta	
90	TTT Nominations	TSP4	L	TTTSP	L	15	Delta	
91	TTT Nominations	TSP4	N	TTTSP	N	5	Delta	
92	TTT Nominations	TTTSP	A	A	L	15	Delta	
93	TTT Nominations	TTTSP	J	J	L	5	Delta	
94	TTT Nominations	TTTSP	L	L	N	5	Delta	
95	TTT Nominations	TTTSP	Z	Z	M	10	Delta	
96	TTT Nominations	TTTSP	I	I	M	20	Delta	
97	TTT Nominations	TTTSP	M	M	D	30	Delta	
98	TTT Nominations	TSP4	TTTSP	TTTSP	D	30	Delta	
99	TTT Nominations	TSP4	TTTSP	TTTSP	L	15	Delta	
100	TTT Nominations	TSP4	TTTSP	TTTSP	N	5	Delta	

Title Transfer Transaction Confirmations at Point Alpha

Serial Number	Confirmation Form	Service Requester	Receiver	Sender	Quantity:
1	Receipt	A	TSP1	TTTSP	10
2	Receipt	A	supplier	TSP1	20
3	Receipt	B	TSP1	TTTSP	10
4	Receipt	C	TSP1	TTTSP	10
5	Receipt	D	TSP1	TTTSP	40
6	Receipt	D	supplier	TSP1	10
48	Delivery	Z	TSP1	TTTSP	30
49	Delivery	G	TSP1	TTTSP	30
50	Delivery	J	TSP1	TTTSP	10
51	Delivery	A	TSP2	TSP1	20
52	Delivery	D	TSP2	TSP1	10
53	Delivery	Z	TSP2	TSP1	20
54	Delivery	G	TSP2	TSP1	30
55	Delivery	J	TSP2	TSP1	5
56	Delivery	Z	TSP3	TSP1	10
57	Delivery	J	TSP3	TSP1	5

Title Transfer Transaction Confirmations at Point Bravo

Serial Number	Confirmation Form	Service Requester	Receiver	Sender	Quantity:
51	Receipt	A	TSP1	TSP2	20
52	Receipt	D	TSP1	TTTSP1	10
53	Receipt	Z	TSP1	TTTSP1	20
54	Receipt	G	TSP1	TTTSP2	20
55	Receipt	J	TSP1	TSP2	5
58, 59	Delivery	I	TSP2	TTTSP1	20
60	Delivery	D	TSP2	TTTSP2	10
61	Delivery	Z	TSP2	TTTSP2	30
65, 66	Receipt	I	TTSP1	TSP2	20
67	Delivery	D	TTTSP2	TSP2	10
68	Delivery	Z	TTTSP2	TSP2	30
72	Delivery	A	TSP4	TSP2	20
73	Delivery	D	TSP4	TSP2	10
74	Delivery	Z	TSP4	TSP2	30
75	Delivery	I	TSP4	TSP2	20
76	Delivery	J	TSP4	TSP2	5

Title Transfer Transaction Confirmations at Point Delta

Serial Number	Confirmation Form	Service Requester	Receiver	Sender	Quantity:
72	Receipt	A	TSP4	TSP2	20
73	Receipt	D	TSP4	TSP2	10
74	Receipt	Z	TSP4	TSP2	30
75	Receipt	I	TSP4	TSP2	20
76	Receipt	J	TSP4	TSP2	5
92	Delivery	A	TSP4	TTTSP	15
93	Delivery	J	TSP4	TTTSP	5
94	Delivery	L	TSP4	TTTSP	5
95	Delivery	Z	TSP4	TTTSP	10
96	Delivery	I	TSP4	TTTSP	20
97	Delivery	M	TSP4	TTTSP	30

																			666667	
Point Alpha Activity																				
Company	Owns	Co. A Buys	Co. A Sells	Co. A Net	Co. B Buys	Co. B Sells	Co. B Net	Co. C Buys	Co. C Sells	Co. C Net	Co. D Buys	Co. D Sells	Co. D Net	Co. Z Buys	Co. Z Sells	Co. Z Net	Co. E Buys	Co. E Sells	Co. E Net	Co. F Buys
A	30	5	-5		0	-10		0	-10		0	-10		30	-5		5	-5		5
B	10		-5									-30		5	-10					10
C	10		-5											10						
D	50													0						
Total Buys/Sells		5	-15		0	-10		0	-10		0	-40		45	-15		5	-5		15
Net after TT				-10			-10			-10			-40			30				0
Production Ownership		30			10			10			50									
Net after Production and TTT				20			0			0			10			30				0
Transport to Bravo			-20			0			0			-10			-20					
Transport to Charlie			0			0			0			0			-10					
Net after Transport				0		0			0			0			0					0
Point Bravo Activity																				
Company	Owns	Co. A Buys	Co. A Sells	Co. A Net	Co. B Buys	Co. B Sells	Co. B Net	Co. C Buys	Co. C Sells	Co. C Net	Co. D Buys	Co. D Sells	Co. D Net	Co. Z Buys	Co. Z Sells	Co. Z Net	Co. E Buys	Co. E Sells	Co. E Net	Co. F Buys
A	20										10	-10		30	-10					
D	10														-10					
Z	20																			
G	30																			
J	5																			
Total Buys/Sells		0	0		0	0		0	0		10	-10		30	-20		0	0		0
Net after TT				0			0		0				0			10				0
Production Ownership		20									10			20						
Net after Production and TTT				20			0		0				10			30				0
Transport to Delta			-20									-10			-30					
Net after Transport				0			0		0				0			0				0
Point Charlie Activity																				
Company	Owns	Co. A Buys	Co. A Sells	Co. A Net	Co. B Buys	Co. B Sells	Co. B Net	Co. C Buys	Co. C Sells	Co. C Net	Co. D Buys	Co. D Sells	Co. D Net	Co. Z Buys	Co. Z Sells	Co. Z Net	Co. E Buys	Co. E Sells	Co. E Net	Co. F Buys
Z	10	0	0		0	0		0	0		0	0		0	0		0	0		0
J	5														-5					
Total Buys/Sells		0	0		0	0		0	0		0	0		0	-5		0	0		0
Net after TT				0			0		0				0		-5		0	0		0
Production Ownership		0			0			0			0			10			0			0
Net after Production and TTT				0			0		0				0		5					0
Transport to Echo			0			0			0			0			-5			0		
Net after Transport				0		0			0				0		0					0

Point Alpha Activity																		
Company	Owns	Co. F Sells	Co. F Net	Co. G Buys	Co. G Sells	Co. G Net	Co. H Buys	Co. H Sells	Co. H Net	Co. I Buys	Co. I Sells	Co. I Net	Co. J Buys	Co. J Sells	Co. J Net	Co. K Buys	Co. K Sells	Co. K Net
A	30	-5		10	0		10	-10					5	-5		5	-5	
B	10	-10		5									10					
C	10			5														
D	50			10														
Total Buys/Sells		-15		30	0		10	-10		0	0		15	-5		5	-5	
Net after TT			0			30				0	0				10			0
Production Ownership																		
Net after Production and TTT			0			30				0	0				10			0
Transport to Bravo						-30									-5			-85
Transport to Charlie						0									-5			-15
Net after Transport			0			0				0	0				0			0
Point Bravo Activity																		
Company	Owns	Co. F Sells	Co. F Net	Co. G Buys	Co. G Sells	Co. G Net	Co. H Buys	Co. H Sells	Co. H Net	Co. I Buys	Co. I Sells	Co. I Net	Co. J Buys	Co. J Sells	Co. J Net	Co. K Buys	Co. K Sells	Co. K Net
A	20					-30				10						0		
D	10									10								
Z	20																	
G	30																	
J	5																	
Total Buys/Sells		0		0	-30		0	0		20	0		0	0		0	0	
Net after TT			0			-30				0	0		0	0		0	0	0
Production Ownership				30									5					
Net after Production and TTT			0			0						20			5			0
Transport to Delta											-20				-5		0	-85
Net after Transport			0			0				0	0				0			0
Point Charlie Activity																		
Company	Owns	Co. F Sells	Co. F Net	Co. G Buys	Co. G Sells	Co. G Net	Co. H Buys	Co. H Sells	Co. H Net	Co. I Buys	Co. I Sells	Co. I Net	Co. J Buys	Co. J Sells	Co. J Net	Co. K Buys	Co. K Sells	Co. K Net
Z	10	0		0	0		0	0		0	0		5	0		0	0	
J	5																	
Total Buys/Sells		0		0	0		0	0		0	0		5	0		0	0	
Net after TT			0			0				0	0		5	0		5	0	0
Production Ownership				0			0			0			5			0		
Net after Production and TTT			0			0				0			5		10			0
Transport to Echo		0			0			0			0				-10		0	-15
Net after Transport			0		0			0		0	0				0			0

5. Documents Needed, Roles and Responsibilities

Title Transfer Tracking Pilot Test Task Force
 Business Case # 12 - Section 5

Step	Document & Description	Sender	Receiver	Comments/Notes
1	Title Transfer Tracking (TTT) Nomination (TTTNOM)	Title Transfer Tracking Service Requester (TTTSR) or agent	Title Transfer Tracking Service Provider (TTTSP)	
2	TTTNOM Functional Acknowledgment (FA)	TTTSP's server	TTTSR	
3	TTT Pre-determined Allocation (PDA) Statement (TTTPDA)	TTTSR	TTTSP	
4	TTTPDA FA	TTTSP's server	TTTSR	
5	TTT Quick Response (TTTQR)	TTTSP	TTTSR	
6	TTTQR FA	TTTSR	TTTSP	
7	TTTPDA QR	TTTSP	TTTSR	
8	TTTPDA QR FA	TTTSR	TTTSP	
9	TTT Confirmation (TTTCONF) to Transportation Service Provider (TSP)	TTTSP	TSP	
10	TTTCONF FA	TSP	TTTSP	Receiver validates the TTTCONF structure here

				for FA first then translates
11	TTT Request To Confirm (TTTRTC)	TSP	TTTSP	Receiver validates the TTTCNF structure here for FA first then translates. If QTY is the same then end of change wrap, else, repeat error wrap
12	TTTRTC FA	TTTSP	TSP	
13	TTT Confirmation (TTTCNF) to Transportation Service Provider (TSP)	TTTSP	TSP	If the RTC QTY received from TSP is less than that QTY sent to TSP by TTTSP, then change respective in and out QTY's using TTTSR's rankings.
14	TTTCNF FA	TSP	TTTSP	Receiver validates the TTTCNF structure here for FA first then translates
15	TTTCNF to Title Tracking Service Requester	TTTSP	TTTSR	Contains lower QTY if applicable
16	TTTCNF FA	TTTSR	TTTSP	
17	TTTNOM	TTTSR	TTTSP	Where this is a change wrap to correct or override lower QTY's
18	TTTNOM FA	TTTSP	TTTSR	

19	TTTCONF	TTTSP	TSP	Sent by TTTSP to TSP where earlier change wrap results in change to entity or quantity and immediately preceding TTTCONF from TTTSP to TSP
20	TTTCONF FA	TSP	TTTSP	
21	Operator's Scheduled Quantity (OSQ)	TSP	TTTSP	This SQ is sent by TSP to TTTSP as means of signifying no further changes and providing unambiguous QTY's into and out of TTTSP's location and/or agreement.
22	OSQ FA	TTTSP	TSP	
23	TTT Scheduled Quantify (TTTSQ)	TTTSP	TTTSR	Where no error or RTC of lesser QTY by deadline
24	TTTSQ FA	TTTSR	TTTSP	
25	TTT Allocated Quantity (TTTAQ)	TSP	TTTSP	Where no change to scheduled quantity this is sent for both of TTTSP's quantities, i.e., those received and delivered. Where there is a change, (i.e., AQ is not equal to SQ) only the receipt quantity or the delivery

				quantity is sent to TTTSP by TSP.
26	TTTAQ FA	TTTSP	TSP	
27	Out of TTT Allocated Quantity (OUTTTAQ)	TTTSP		Where only the received or delivered AQ was transmitted by the TSP to the TTTSP, this AQ is the product of applying the transmitted AQ to the TTTSR's PDA to generate the applicable opposite AQ.
28	OUTTTAQ FA	TSP	TTTSP	
29	TTT Allocated Quantity (TTTAQ)	TTTSP	TTTSR	
30	TTTAQ FA	TTTSR	TTTSP	
31	TTTSP's Invoice (TTTINV)	TTTSP	TTTSR	
32	TTTINV FA	TTTSR	TTTSP	

**Title Transfer Tracking Pilot Test Task Force
Business Case # 12
Preliminary Assumptions, Strengths & Weaknesses**

Assumptions:

1. With separate DRN's for each TTTSP, TSP will be able to balance with each TTTSP where multiple TTTSP's exist.
2. Shippers nominate title transfer nominations to the TTTSP.
3. TTTSP will confirm with the upstream pipeline.
4. Downstream pipeline will confirm with the TTTSP.
5. Receipts into, and deliveries from TTTSP's will be nominated on the TSP.
6. Transfer's between TTTSP's will confirm with the TSP.
7. Each TTTSP on a TSP will have its own point (DRN No.)
8. TTTSP's have all of the rights and responsibilities of point operators at their points.
9. Either OBA's with the TSP, or an entity to take the swing, should exist at each TTTSP's point.

Strengths:

1. With separate DRN's for each TTTSP, TSP will be able to balance with each TTTSP where multiple TTTSP's exist.
2. With separate DRN's for each TTTSP, multiple TTTSP's are able to operate without confusion.
3. Model promotes competition, allows TSP to participate as a TTTSP if desired.
4. Given the nomination and separate DRN model, any problems with the confirmation process can be resolved in the same manner and time frame as exists for current transportation nominations.

Weaknesses:

1. Increased number of transportation nominations, related confirmation and scheduled quantity documents.
2. Increased number of DRN's for TTTSP's.

9. Proposed Changes to Existing Standards or New Standards

Title Transfer Tracking Pilot Test Task Force
Business Case # 12 - Section 9

The enclosed “proposed” standards are to be considered as working in conjunction with the following proposed standards as they exist as of the 8/9/96 publication of proposed BPS Standards.

Standard 6
Standard 7
Standard 8
Standard 9
Standard 10
Standard 11
Standard 12
Standard 13
Standard 13A¹
Standard 14²
Standard 15
Standard 15B³
Standard 16
Standard 17A⁴
Standard 30⁵

¹ TransCapacity proposes that both Standard 13 and 13A be adopted. In addition, TransCapacity proposes one additional “contractual relationships” standard listed below under “Proposed Additional Standards” for review and consideration (and hopefully adoption) by the Indicated Parties in Interest - TTT

² There is a typo here. “provider” should be “provide”.

³ TransCapacity proposes that both standards 15 and 15B be adopted as they deal with different aspects of the relationships between TTTSP’s and others in the marketplace. Standard 15 states that GISB recommends no financial standards be set which would limit the number or kind of TTTSP’s and their services. Standard 15B deals with the responsibilities, rights and obligations between TTTSP’s and TSP’s.

⁴ This standard is not necessary, nor is proposed standard 17. However, if there were to be a standard in this area we believe that all TTT services should be provided on the same basis. Forcing some parties to provide it for “free” does not mean that it will be provided well. If every one is provided the opportunity to be compensated for providing the service, or chooses to not provide the service unless compensated, then all providers and service requesters will have the same incentives. Highest value for lowest price on the part of service requesters, and most customers/transactions for the lowest cost and highest margin on the part of service providers. Our experience is that a free service is preferred over a priced service and that the pressure to make the free ones as good as the priced ones is still present from the recipients of free service.

Standard 31
Standard 32
Standard 33⁶
Standard 34⁷
Standard 35A⁸
Standard 36
Standard 90
Standard 91⁹
Standard 92

Proposed Clarifications/Amendments to proposed standards:

Key to amendments/clarifications:

Existing language, [Proposed deletions](#), [Proposed additions](#)

Standard 30:

Transportation Service Providers should accept nominations, confirmations, and PDAs from any title transfer tracking service provider with respect to the services or activities on the Transportation Service Provider, and Transportation Service Providers should provide requests to confirm and allocations as applicable to title transfer tracking service providers. [Title Transfer Tracking Service Providers should send confirmations, PDAs, and, when applicable, allocations transmittals which should detail the entities and quantities entering and leaving their location\(s\) and/or agreement\(s\). These transmittals \(as appropriate\) should be sent to the Transportation Service Provider on whose facilities the title tracking service or activities are occurring whenever there is a change to a pre-existing entity or quantity entering or leaving the location\(s\) and/or agreement\(s\) of the TTTSP. Title Transfer Tracking Service Providers should respond to a Request to Confirm sent to them by a Transportation Service Provider.](#) A Transportation Service Provider is only required to conduct business with the Title Transfer Tracking Service Provider that performs in accordance with GISB standards and any applicable contract.

⁵ There is a proposed amendment to this standard set forth below. The amendment/clarification is along the lines of a compromise between 91 and 91A and a amendment of both.

⁶ There is a proposed amendment/clarification to this standard set forth below.

⁷ There is a proposed amendment/clarification to this standard set forth below.

⁸ This standard is probably not necessary, nor is proposed standard 35. However, if there is to be parity in treatment between the treatment of point operators and TTTSPs the point operator should be given information by the TSP in the same manner as the information will be given (via request to confirm as applicable) by the TSP to the TTTSP. That is to say at the quantity by entity level.

⁹ As amended/clarified below.

Abstract: This proposed amendment clarifies that the TTSP has an affirmative obligation to deliver documents to the TSP as changes occur. It also clarifies that the TTTSP will respond to a request to confirm once sent by the TSP.

Discussion: The TTTSP is not necessarily sending nominations to the TSP. The TTTSP itself is only getting the nominations from its customers at the same 11:30 deadline. It will not have the information itself until the 11:45 time and may not be capable of sorting out and confirming til 12:15/12:30. If the TTTSP is in the business of doing both nomination services and title transfer tracking services, it may in fact be able to send nominations for transportation service to the TSP. Otherwise, it will not know what the inbound (upstream) transportation agreement(s) (or upstream point operator) for a particular transaction is until the same time as all the other nominations are made.

Standard 33:

The standard nominations timeline (GISB 1.3.2.) should apply for title transfer transaction nominations. Title Transfer Tracking Service Requesters should nominate their title transfer transactions to Title Transfer Tracking Service Providers pursuant to the GISB nominations related standards. Transportation Service Requesters seeking to have gas delivered into or received from a TTTSP's location and/or agreement by a Transportation Service Provider should nominate this activity pursuant to the GISB nominations related standards. Title Transfer Tracking Service Providers should send initial confirmations for transactions into and out of their location(s) and/or agreements to the associated Transportation Service Provider by no later than 1:00 pm for nominations at the standard deadline, should initiate a confirmation within one hour of learning of any change to transactions into or out of their location(s) and/or agreement(s), and should respond (with a confirmation) to any subsequent request to confirm sent by a Transportation Service Provider within thirty minutes.

Abstract: This clarifies who does what when. It spells out what happens when there is a new deal, a change to an existing deal, or a perceived change which needs to be clarified or pushed through the TTTSP to the other side.

Discussion: Nothing secret or special, just spells out what happens when there is a new deal, a change to an existing deal, or a perceived change which needs to be clarified or pushed through the TTTSP to the other side.

Standard 34:

Transfers between Title Transfer Tracking Service Providers constitute an activity that needs to be nominated by the Title Transfer Tracking Service Requester to the Transportation Service Provider. Transfers between Title Transfer Tracking Service Providers constitute an activity that needs to be confirmed by the Title Transfer Tracking Service Providers to the Transportation Service Provider. Any changes to same should be nominated and confirmed

by the parties appropriately. A TTTSP should respond within one half an hour to a TSP's request to confirm a change in a quantity transferred between it and another TTTSP.

Abstract: Who does what, when, and how does the information flow.

Discussion: This encourages truthful nominating and discourages both TTT service requesters and TTT service providers from hiding, or creating gas at TTT locations. By having the parties taking gas across between two TTTSPs tell the TSP that they are doing that, and having the TTTSPs confirming, there will be no hanky-panky because it would be immediately obvious who was incorrect. The **bolded sentence** could be dropped if the rest was in place. From a timing and information point of view though the information about the transfer will be known at the nominations deadline (TTT transactions are nominated at the nominations deadline too). Not having this requirement could encourage gaming of the system as people might seek to transfer to subsequent TTTSPs not observing the standard deadline in order to gain time before confirmation is sent to the TSP.

Standard 91

For roles within the context of title transfer tracking service; the title transfer tracking service provider should:

- 1) receive nominations and confirmations from Title Transfer Tracking Service Requesters
- 2) provide ~~nominations~~, requests for confirmations and/or confirmation responses to Transportation Service Providers
- 3) receive PDAs from Title Transfer Tracking Service Requesters
- 4) provide scheduled quantities and allocations to Title Transfer Tracking Service Requesters
- 5) receive allocations from the Transportation Service Provider with respect to the quantities confirmed for the account of Title Transfer Tracking Service Requesters
- 6) provide ~~PDA's allocations and PDAs where dispositive~~ to the Transportation Service Provider, ~~and or Title Transfer Tracking Service Provider as appropriate~~

Abstract: Clarifies the intent of the information flow. In particular, it clarifies that nominations are sent by Service Requesters and not by Service Providers whether they are Transportation Service Providers or Title Transfer Tracking Service Providers. The intent of the insertion of the qualifier "Transportation" before the term "Service Provider" is intentional. There is no standard which requires TTTSPs to interact, no enforcement mechanism concerning their interactions, and no behavior modification tools to enforce correct and appropriate behavior among them. Reliability is not improved by assuming into existence relationships which not only do not exist today but are the subject of intense competition and rivalry. Finally, it may require the delivery of the allocated quantities to the Transportation Service Provider to resolve the allocation issue. If there are multiple levels of transfer within the TTTSP, a single level PDA will not suffice. The alternative

would be to provide all of the PDA's inside of the TTTSP for the TSP to resolve which gas went where.

Discussion: See above

Proposed additional Standards:

Proposed Standard 13.1

All Title Transfer Tracking service activities between Title Transfer Tracking Service Providers and Transportation Service Providers should take place pursuant to contracts between these parties.

Abstract: This rounds out the contractual relationships between all the parties.

Discussion: States what may be obvious to some but without it TTTSPs cannot assure their customers that the TSP will even deal with them. This enables the TTTSP to assure the TTT service requesters that they have a contractual relationship with the TSP.