

Title Transfer Tracking Pilot Testing Task Force

Business Case # 14

Case Description:

One, and only one, third party TTTSP at any nominatable point, on the receipt side only, on a TSP.

Scope:

This case will examine the transportation from and the title tracking process at four nominatable points:

1. A wellhead production point
2. Two interconnection points between three TSPs
3. A city gate delivery point on a TSP

The test will track the transportation and title transfer of gas being produced at a wellhead on TSP-1 by four different producers. One of the producers (Co D) will act as the operator at the wellhead for confirmation purposes. Gas will be transported across TSP-1 and TSP-2 to the City Gate. Here it will ultimately be dispersed to the various End Users. Gas will also be transported across TSP-1 and TSP-3 to a delivery point on TSP-3.

Title transfer tracking will be performed by a third party TTTSP and this function will occur only on the receiving party's side of the transaction (i.e., TSP-1's receipt point at the wellhead, TSP-2's receipt point at the interconnect with TSP-1, TSP-3's receipt point at the interconnect with TSP-1 and the LDC's receipt point at the City Gate).

The test will include a total of 15 different parties that will be involved at some point from the wellhead production point to the ultimate end users.

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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

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TSP2 <u>Ownership into Point Bravo</u> DRNBravo1	<u>Sales @ Point Bravo</u> 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	<u>Ownership Out of Point Bravo</u> Co. A 20 units Co. D 10 units Co. Z 30 units Co. I 20 units Co. J 5 units	<u>Nominations to ISP 2 From Point Bravo to Point Delta</u> DRNBravo2 to DRNDelta2 Co. A 20 units Co. D 10 units Co. Z 30 units Co. I 20 units Co. J 5 units
Point Bravo = 85	Total Units Out Of Point Bravo = 85	Total Units From Point Bravo To Point Charlie = 85	

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TSP3

<u>Ownership into Point Charlie</u> DRNCharlie1	<u>Sales @ Point Charlie</u>	<u>Ownership Out of Point Charlie</u>	<u>Nominations to ISP 3 From Point Charlie to Point Echo</u> DRNCharlie3 to DRNEcho3
Co. Z 10 units	Co. Z to Co. J 5 units	Co. Z 5 units	Co. Z 5 units
Co. J 5 units		Co. J 10 units	Co. J 10 units

Total Units Into
Point Charlie = 15

Total Units Out Of
Point Charlie = 15

Total Units From Point Charlie
To Point Echo = 15

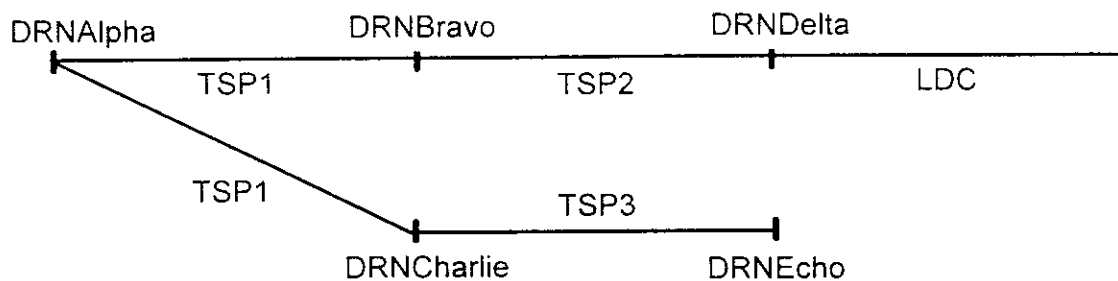
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TITLE TRANSFER TRACKING BASE CASE
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TSP2	<u>Ownership Into Point Delta</u>	<u>Sales @ Point Delta</u>	<u>Ownership Out of Point Delta</u>
DRNDelta2			
Co. A	20 units	Co. A to Co. L	Co. A
Co. J	5 units	Co. L to Co. N	Co. Z
Co. Z	30 units	Co. J to Co. L	Co. D
Co. I	20 units	Co. Z to Co. M	Co. L
Co. D	10 units	Co. I to Co. M	Co. N
		Co. M to Co. D	
		15 units	5 units
		5 units	20 units
		5 units	40 units
		10 units	15 units
		20 units	5 units
		30 units	

Total Units Into
 Point Delta = 85

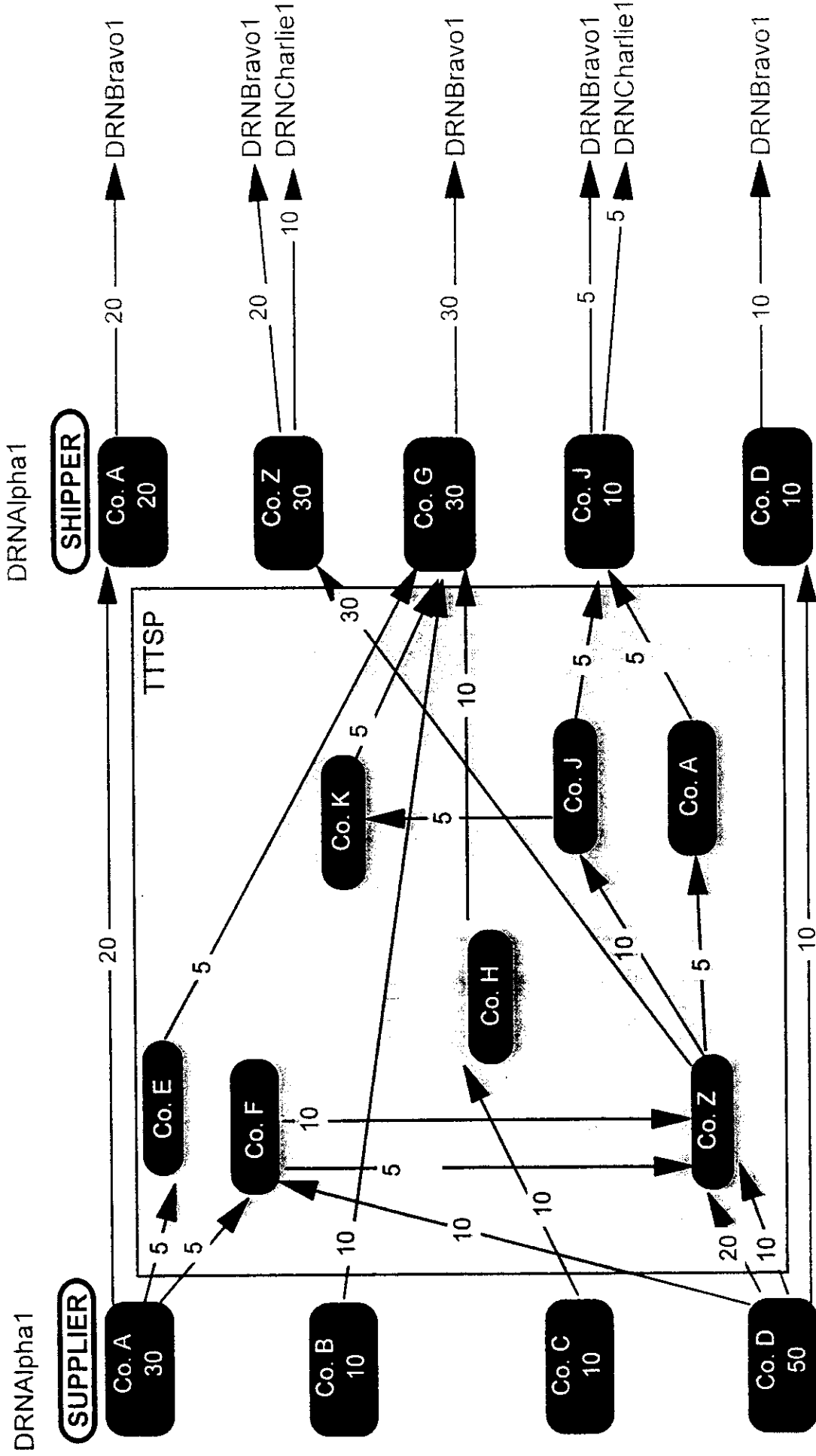
Total Units Out Of
 Point Delta = 85

BUSINESS CASE # 14



- DRNAlpha is a Wellhead Point on TSP1
- DRNBravo is an Interconnect between TSP1 and TSP2
- DRNDelta is an Interconnect between TSP2 and LDC
- DRNCharlie is an Interconnect between TSP1 and TSP3
- No fuel is retained
- Upstream and Downstream Contract Identifier and Identifier Code supplied with nomination (Std. 1.4.1)

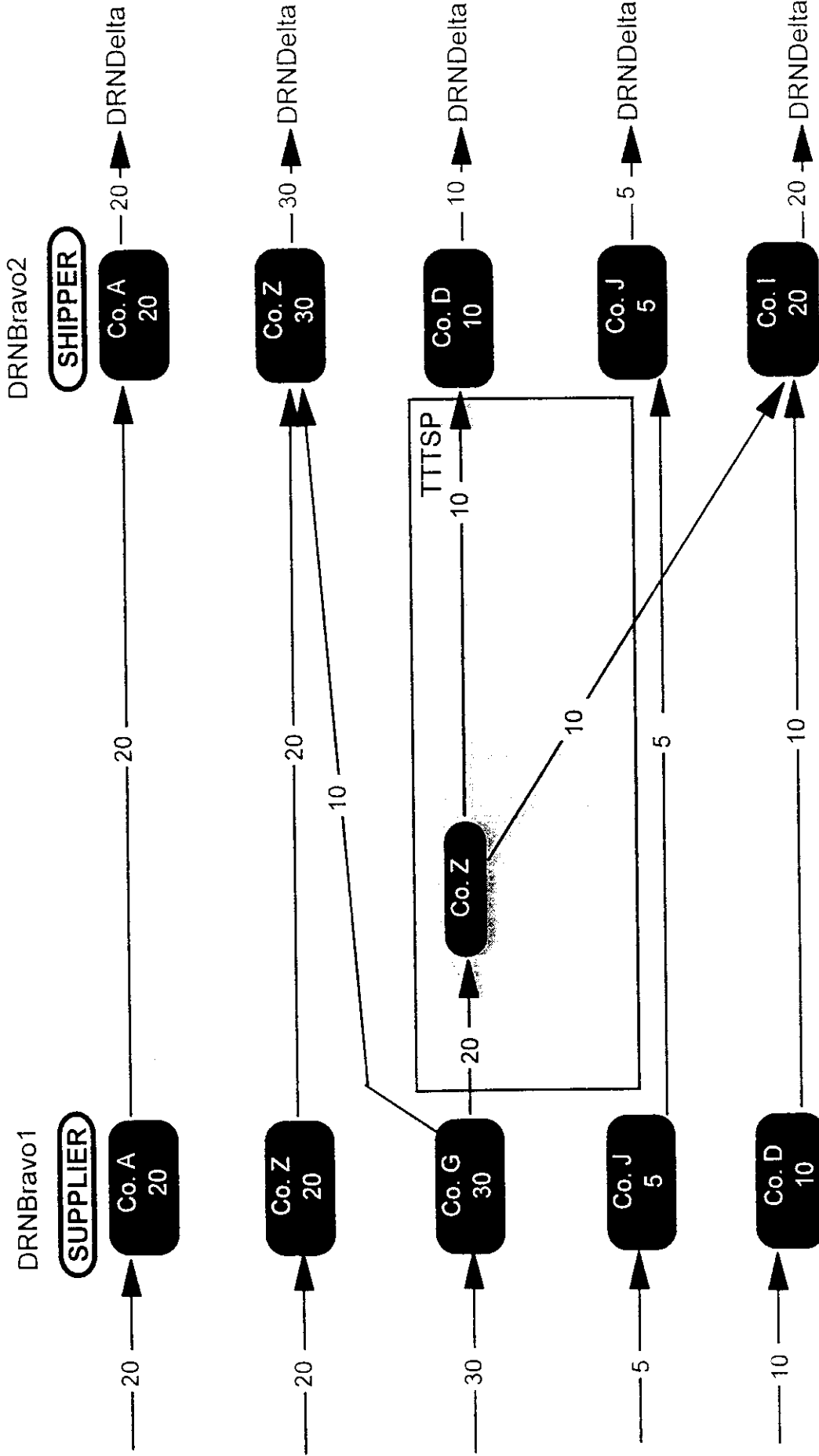
Business Case #14
DRNAlpha on TSP1



Total Units out
of Alpha = 100
Transported on
TSP1

Total Units into
Alpha = 100

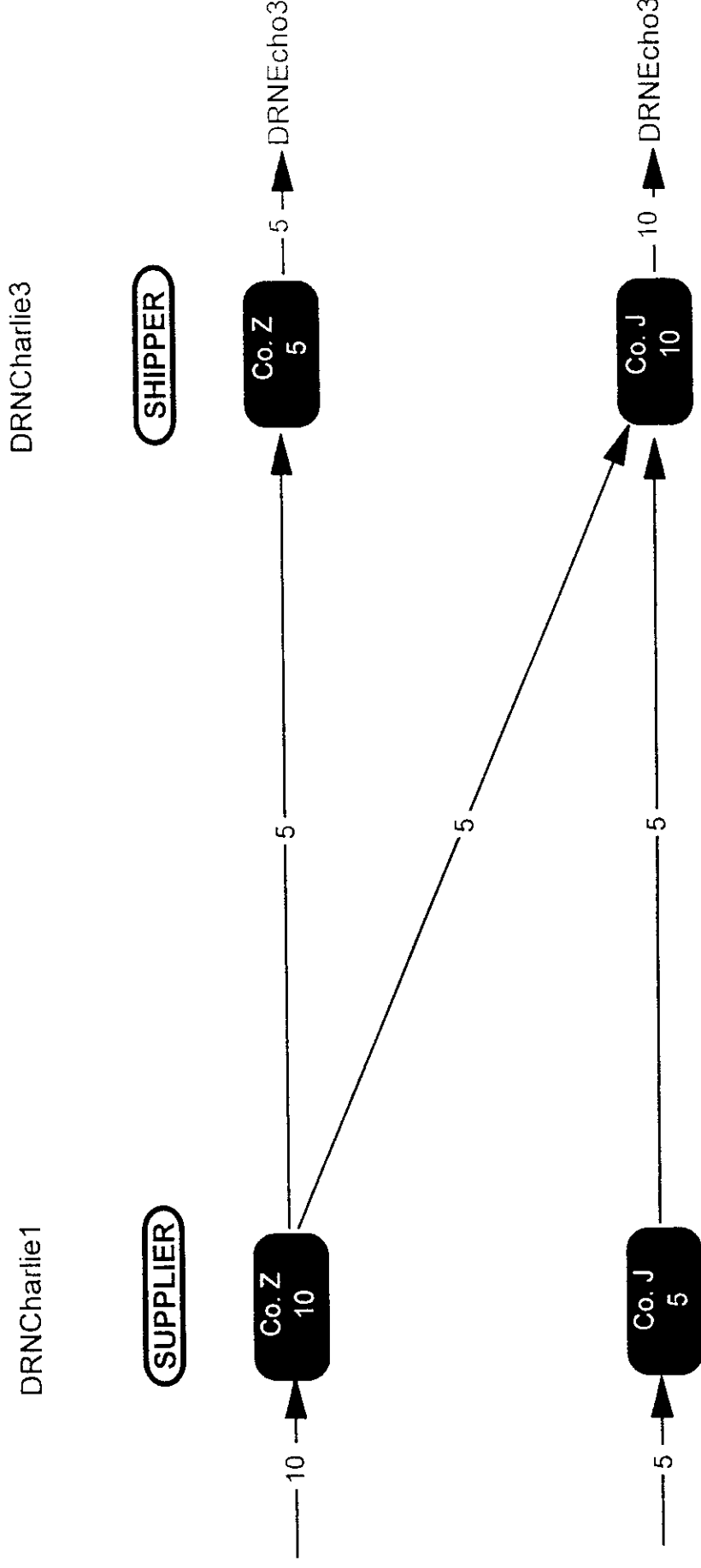
Business Case #14
DRNBravo on TSP2



Total Units out
of Bravo = 85
Transported on
TSP2

Total Units into
Bravo = 85

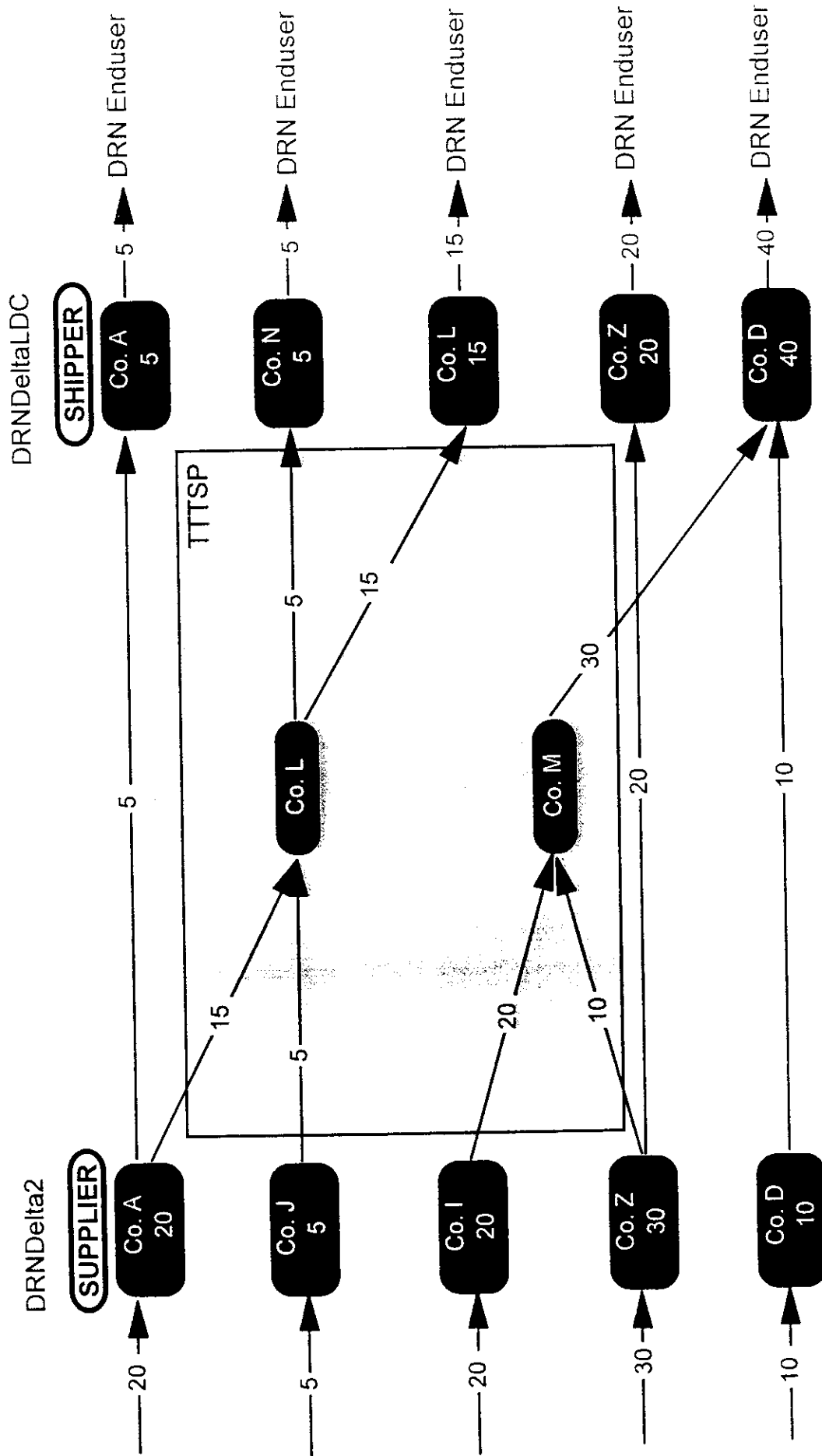
Business Case #14
DRNCharlie on TSP3



Total Units into
Charlie = 15

Total Units out
of Charlie = 15

Business Case #14
DRNDelta at LDC



Total Units out
of Delta = 85
Transported on
LDC

Total Units into
Delta = 85

Title Transfer Tracking Nomination Summary : Business Case #14

TSP: TSP 1
Name: Co. A
Point: DRNAlpha1

	<u>Party</u>	<u>Contract</u>	<u>Units</u>
Upstream:	Co. A	PROD_CoA	10
	Co. Z	TTTSP_CoZ	5
Downstream:	Co. E	TTTSP_CoE	5
	Co. F	TTTSP_CoF	5
	Co. J	TSP1_CoJ	5

TSP: TSP 1
Name: Co. C
Point: DRNAlpha1

	<u>Party</u>	<u>Contract</u>	<u>Units</u>
Upstream:	Co. C	PROD_CoC	10
Downstream:	Co. H	TTTSP_CoH	10

TSP: TSP 1
Name: Co. D
Point: DRNAlpha1

	<u>Party</u>	<u>Contract</u>	<u>Units</u>
Upstream:	Co. D	PROD_CoD	40
Downstream:	Co. F	TTTSP_CoF	10
	Co. Z	TTTSP_CoZ	20
	Co. Z'	TTTSP_CoZ'	10

TSP: TSP 1
Name: Co. E
Point: DRNAlpha1

	<u>Party</u>	<u>Contract</u>	<u>Units</u>
Upstream:	Co. A	TTTSP_CoA	5
Downstream:	Co. G	TSP1_CoG	5

Title Transfer Tracking Nomination Summary : Business Case #14

TSP: TSP 1
Name: Co. F
Point: DRNAAlpha1

	<u>Party</u>	<u>Contract</u>	<u>Units</u>
Upstream:	Co. A	TTTSP_CoA	5
	Co. D	TTTSP_CoD	10
Downstream:	Co. Z	TTTSP_CoZ	10
	Co. Z'	TTTSP_CoZ'	5

TSP: TSP 1
Name: Co. Z
Point: DRNAAlpha1

	<u>Party</u>	<u>Contract</u>	<u>Units</u>
Upstream:	Co. D	TTTSP_CoD	20
	Co. D'	TTTSP_CoD'	10
	Co. F	TTTSP_CoF	10
	Co. F'	TTTSP_CoF'	5
Downstream:	Co. J	TTTSP_CoJ	10
	Co. A	TTTSP_CoA	5
	Co. Z	TSP1_CoZ	30

TSP: TSP 1
Name: Co. H
Point: DRNAAlpha1

	<u>Party</u>	<u>Contract</u>	<u>Units</u>
Upstream:	Co. C	TTTSP_CoC	10
Downstream:	Co. G	TSP1_CoG	10

TSP: TSP 1
Name: Co. K
Point: DRNAAlpha1

	<u>Party</u>	<u>Contract</u>	<u>Units</u>
Upstream:	Co. J	TTTSP_CoJ	5
Downstream:	Co. G	TSP1_CoG	5

Title Transfer Tracking Nomination Summary : Business Case #14

TSP: TSP 1
Name: Co. J
Point: DRNAlpha1

	<u>Party</u>	<u>Contract</u>	<u>Units</u>
Upstream:	Co. Z	TTTSP_CoZ	10
Downstream:	Co. K	TTTSP_CoK	5
	Co. J	TSP1_CoJ	5

TSP: TSP 2
Name: Co. Z
Point: DRNBravo2

	<u>Party</u>	<u>Contract</u>	<u>Units</u>
Upstream:	Co. G	TTTSP_CoG	20
Downstream:	Co. D	TSP2_CoD	10
	Co. I	TSP2_CoI	10

TSP: TSP 2
Name: Co. G
Point: DRNBravo2

	<u>Party</u>	<u>Contract</u>	<u>Units</u>
Upstream:	Co. G	TSP1_CoG	20
Downstream:	Co. Z	TTTSP_CoZ	20

TSP: LDC
Name: Co. A
Point: DRNDeltaLDC

	<u>Party</u>	<u>Contract</u>	<u>Units</u>
Upstream:	Co. A	TSP2_CoA	15
Downstream:	Co. L	TTTSP_CoL	15

TSP: LDC
Name: Co. J
Point: DRNDeltaLDC

	<u>Party</u>	<u>Contract</u>	<u>Units</u>
Upstream:	Co. J	TSP2_CoJ	5
Downstream:	Co. L	TTTSP_CoL	5

Title Transfer Tracking Nomination Summary : Business Case #14

TSP: TSP LDC
Name: Co. I
Point: DRNDeltaLDC

	<u>Party</u>	<u>Contract</u>	<u>Units</u>
Upstream:	Co. I	TSP2_CoI	20
Downstream:	Co. M	TTTSP_CoM	20

TSP: LDC
Name: Co. Z
Point: DRNDeltaLDC

	<u>Party</u>	<u>Contract</u>	<u>Units</u>
Upstream:	Co. Z	TSP2_CoZ	10
Downstream:	Co. M	TTTSP_CoM	10

TSP: LDC
Name: Co. L
Point: DRNDeltaLDC

	<u>Party</u>	<u>Contract</u>	<u>Units</u>
Upstream:	Co. A	TTTSP_CoA	15
	Co. J	TTTSP_CoJ	5
Downstream:	Co. N	LDC_CoN	5
	Co. L	LDC_CoL	15

TSP: LDC
Name: Co. M
Point: DRNDeltaLDC

	<u>Party</u>	<u>Contract</u>	<u>Units</u>
Upstream:	Co. I	TTTSP_CoI	20
	Co. Z	TTTSP_CoZ	10
Downstream:	Co. D	LDC_CoD	30

Transportation Nomination Summary - Business Case #14

TSP: TSP1
 Contract #: TSP1_CoA

<u>Receipt Location</u>	<u>Upstream Contract</u>	<u>Upstream ID Code</u>	<u>Delivery Location</u>	<u>Downstream Contract ID</u>	<u>Downstream ID Code</u>	<u>Quantity</u>
DRNAlpha1		Prod. A	DRNBravo1	TSP2_CoA	Co. A	20

TSP: TSP1
 Contract #: TSP1_CoZ

<u>Receipt Location</u>	<u>Upstream Contract</u>	<u>Upstream ID Code</u>	<u>Delivery Location</u>	<u>Downstream Contract ID</u>	<u>Downstream ID Code</u>	<u>Quantity</u>
DRNAlpha1	TTTSP_CoZ	Co. Z	DRNBravo1	TSP2_CoZ	Co. Z	20
DRNAlpha1	TTTSP_CoZ	Co. Z	DRNCharlie1	TSP3_CoZ	Co. Z	5
DRNAlpha1	TTTSP_CoZ	Co. Z	DRNCharlie1	TSP3_CoJ	Co. J	5

TSP: TSP1
 Contract #: TSP1_CoG

<u>Receipt Location</u>	<u>Upstream Contract</u>	<u>Upstream ID Code</u>	<u>Delivery Location</u>	<u>Downstream Contract ID</u>	<u>Downstream ID Code</u>	<u>Quantity</u>
DRNAlpha1	TTTSP_CoE	Co. E	DRNBravo1	TSP2_CoZ	Co. Z	5
DRNAlpha1	TTTSP_CoK	Co. K	DRNBravo1	TSP2_CoZ	Co. Z	5
DRNAlpha1	TTTSP_CoB	Co. B	DRNBravo1	TTTSP_CoZ	Co. Z	10
DRNAlpha1	TTTSP_CoH	Co. H	DRNBravo1	TTTSP_CoZ	Co. Z	10

TSP: TSP1
 Contract #: TSP1_CoJ

<u>Receipt Location</u>	<u>Upstream Contract</u>	<u>Upstream ID Code</u>	<u>Delivery Location</u>	<u>Downstream Contract ID</u>	<u>Downstream ID Code</u>	<u>Quantity</u>
DRNAlpha1	TTTSP_CoJ	Co. J	DRNBravo1	TSP2_CoJ	Co. J	5
DRNAlpha1	TTTSP_CoA	Co. A	DRNCharlie1	TSP2_CoJ	Co. J	5

TSP: TSP1
 Contract #: TSP1_CoD

<u>Receipt Location</u>	<u>Upstream Contract</u>	<u>Upstream ID Code</u>	<u>Delivery Location</u>	<u>Downstream Contract ID</u>	<u>Downstream ID Code</u>	<u>Quantity</u>
DRNAlpha1		Prod. D	DRNBravo1	TSP2_CoI	Co. I	10

TSP: TSP2
 Contract #: TSP2_CoA

<u>Receipt Location</u>	<u>Upstream Contract</u>	<u>Upstream ID Code</u>	<u>Delivery Location</u>	<u>Downstream Contract ID</u>	<u>Downstream ID Code</u>	<u>Quantity</u>
DRNBravo2	TSP1_CoA	Co. A	DRNDelta2	LDC_CoA	Co. A	5
DRNBravo2	TSP1_CoA	Co. A	DRNDelta2	TTTSP_CoL	Co. L	15

TSP: TSP2
 Contract #: TSP2_CoZ

<u>Receipt Location</u>	<u>Upstream Contract</u>	<u>Upstream ID Code</u>	<u>Delivery Location</u>	<u>Downstream Contract ID</u>	<u>Downstream ID Code</u>	<u>Quantity</u>
DRNBravo2	TSP1_CoZ	Co. Z	DRNDelta2	TTTSP_CoM	Co. M	10
DRNBravo2	TSP1_CoZ	Co. Z	DRNDelta2	LDC_CoZ	Co. Z	20

TSP: TSP2
 Contract #: TSP2_CoD

<u>Receipt Location</u>	<u>Upstream Contract</u>	<u>Upstream ID Code</u>	<u>Delivery Location</u>	<u>Downstream Contract ID</u>	<u>Downstream ID Code</u>	<u>Quantity</u>
DRNBravo2	TTTSP_CoZ	Co. Z	DRNDelta2	LDC_CoD	Co. D	10

TSP: TSP2
 Contract #: TSP2_CoJ

<u>Receipt Location</u>	<u>Upstream Contract</u>	<u>Upstream ID Code</u>	<u>Delivery Location</u>	<u>Downstream Contract ID</u>	<u>Downstream ID Code</u>	<u>Quantity</u>
DRNBravo2	TSP1_CoJ	Co. J	DRNDelta2	TTTSP_CoL	Co. L	5

TSP: TSP2
Contract #: TSP2_CoI

<u>Receipt Location</u>	<u>Upstream Contract</u>	<u>Upstream ID Code</u>	<u>Delivery Location</u>	<u>Downstream Contract ID</u>	<u>Downstream ID Code</u>	<u>Quantity</u>
DRNBravo2	TSP1_CoD	Co. D	DRNDelta2	TTTSP_CoM	Co. M	10
DRNBravo2	TTTSP_CoZ	Co. Z	DRNDelta2	TTTSP_CoM	Co. M	10

TSP: TSP3
Contract #: TSP3_CoZ

<u>Receipt Location</u>	<u>Upstream Contract</u>	<u>Upstream ID Code</u>	<u>Delivery Location</u>	<u>Downstream Contract ID</u>	<u>Downstream ID Code</u>	<u>Quantity</u>
DRNCharlie3	TSP1_CoZ	Co. Z	DRNEcho3			5

TSP: TSP3
Contract #: TSP3_CoJ

<u>Receipt Location</u>	<u>Upstream Contract</u>	<u>Upstream ID Code</u>	<u>Delivery Location</u>	<u>Downstream Contract ID</u>	<u>Downstream ID Code</u>	<u>Quantity</u>
DRNCharlie3	TSP1_CoZ	Co. Z	DRNEcho3			5
DRNCharlie3	TSP1_CoJ	Co. J	DRNEcho3			5

TSP: LDC
Contract #: LDC_CoA

<u>Receipt Location</u>	<u>Upstream Contract</u>	<u>Upstream ID Code</u>	<u>Delivery Location</u>	<u>Downstream Contract ID</u>	<u>Downstream ID Code</u>	<u>Quantity</u>
DRNDeltaLDC	TSP2_CoA	Co. A	DRNEnduser		Enduser	5

TSP: LDC
Contract #: LDC_CoN

<u>Receipt Location</u>	<u>Upstream Contract</u>	<u>Upstream ID Code</u>	<u>Delivery Location</u>	<u>Downstream Contract ID</u>	<u>Downstream ID Code</u>	<u>Quantity</u>
DRNDeltaLDC	TTTSP_CoL	Co. L	DRNEnduser		Enduser	5

TSP: LDC
Contract #: LDC_CoL

<u>Receipt Location</u>	<u>Upstream Contract</u>	<u>Upstream ID Code</u>	<u>Delivery Location</u>	<u>Downstream Contract ID</u>	<u>Downstream ID Code</u>	<u>Quantity</u>
DRNDeltaLDC	TTTSP_CoL	Co. L	DRNEnduser		Enduser	15

TSP: LDC
Contract #: LDC_CoZ

<u>Receipt Location</u>	<u>Upstream Contract</u>	<u>Upstream ID Code</u>	<u>Delivery Location</u>	<u>Downstream Contract ID</u>	<u>Downstream ID Code</u>	<u>Quantity</u>
DRNDeltaLDC	TSP2_CoZ	Co. Z	DRNEnduser		Enduser	20

TSP: LDC
Contract #: LDC_CoD

<u>Receipt Location</u>	<u>Upstream Contract</u>	<u>Upstream ID Code</u>	<u>Delivery Location</u>	<u>Downstream Contract ID</u>	<u>Downstream ID Code</u>	<u>Quantity</u>
DRNDeltaLDC	TTTSP_CoM	Co. M	DRNEnduser		Enduser	30
DRNDeltaLDC	TSP2_CoD	Co. D	DRNEnduser		Enduser	10