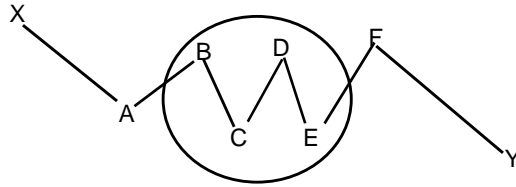


GISB Expedited Data Development Subcommittee Meeting

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Discussion Workpaper

Scenario 1



Base Model TSP tracking title; no 3pad

TO	US	RL	SR	DL	DS	QTY
TSP	X	R1	A	P1	B	10
TSP	A	P1	B	P1	C	10
TSP	B	P1	C	P1	D	10
TSP	C	P1	D	P1	E	10
TSP	D	P1	E	P1	F	10
TSP	E	P1	F	D1	Y	10

Additionally, Some TSPs require only the seller's portion of the transaction

TSP contracting single 3pad to perform all TTT on their behalf @ a location

Option 1

TO	US	RL	SR	DL	DS	QTY
TSP	X	R1	A	P1	3PAD	10
3PAD	A	P1	B	P1	C	10
3PAD	B	P1	C	P1	D	10
3PAD	C	P1	D	P1	E	10
3PAD	D	P1	E	P1	F	10
TSP	3PAD	P1	F	D1	Y	10

- Iris' method
 - no nomination from 3pad to TSP
 - 3PAD as US/DS on noms to TSP

Option 2

TO	US	RL	SR	DL	DS	QTY
TSP	X	R1	A	P1	B	10
3PAD	A	P1	B	P1	C	10
3PAD	B	P1	C	P1	D	10
3PAD	C	P1	D	P1	E	10
3PAD	D	P1	E	P1	F	10
TSP	E	P1	F	D1	Y	10
TSP	A	P1	B	P1	E	10
TSP	B	P1	E	P1	F	10

- Noms from 3PAD where 3PAD not identified as SR
 - 3PAD noms 1st & last AH info

From 3PAD

Option 3

TO	US	RL	SR	DL	DS	QTY
TSP	X	R1	A	P1	B	10
3PAD	A	P1	B	P1	C	10
3PAD	B	P1	C	P1	D	10
3PAD	C	P1	D	P1	E	10
3PAD	D	P1	E	P1	F	10
TSP	E	P1	F	D1	Y	10
TSP	A	P1	3PAD	P1	B	10
TSP	E	P1	3PAD	P1	F	10

- 3PAD noms as SR to TSP
 - 3PAD identifies 1st & last AH inside 3PAD & connects to their outside counterparties

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Option 4

TO	US	RL	SR	DL	DS	QTY
TSP	X	R1	A	P1	3PAD	10
3PAD	A	P1	B	P1	C	10
3PAD	B	P1	C	P1	D	10
3PAD	C	P1	D	P1	E	10
3PAD	D	P1	E	P1	F	10
TSP	3PAD	P1	F	D1	Y	10
TSP	A	P1	3PAD	P1	F	10

- 3PAD as US/DS on noms to TSP
- Modified # 1
- 3PAD identifies the parties just outside the 3PAD to tie noms together on either side of the 3PAD

Option 5

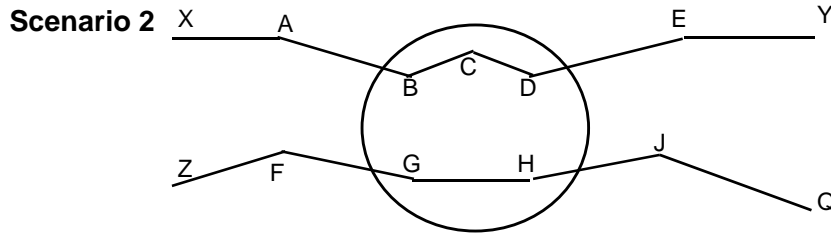
TO	US	RL	SR	DL	DS	QTY
TSP	X	R1	A	P1	B	10
3PAD	A	P1	B	P1	C	10
3PAD	B	P1	C	P1	D	10
3PAD	C	P1	D	P1	E	10
3PAD	D	P1	E	P1	F	10
TSP	E	P1	F	D1	Y	10
TSP	B	P1	3PAD	P1	E	10

- 3PAD identifies 1st & last AH within the 3PAD in nom to TSP

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Base Model TSP tracking title; no 3pad

TO	US	SR	DS
TSP	X	A	B
TSP	A	B	C
TSP	B	C	D
TSP	C	D	E
TSP	D	E	Y
TSP	Z	F	G
TSP	F	G	H
TSP	G	H	J
TSP	H	J	Q

TSP contracting single 3pad to perform all TTT on their behalf @ a location

Option 1

TO	US	SR	DS
TSP	X	A	3PAD
TSP	Z	F	3PAD
3PAD	A	B	C
3PAD	B	C	D
3PAD	C	D	E
3PAD	F	G	H
3PAD	G	H	J
TSP	3PAD	E	Y
TSP	3PAD	J	Q

- Iris' method
 - no nomination from 3pad to TSP
 - 3PAD as US/DS on noms to TSP

will cuts track intended title chain?



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Discussion Workpaper

Option 2

TO	US	SR	DS
TSP	X	A	B
TSP	Z	F	G
3PAD	A	B	C
3PAD	B	C	D
3PAD	C	D	E
3PAD	F	G	H
3PAD	G	H	J
TSP	D	E	Y
TSP	H	J	Q
TSP	A	B	D
TSP	F	G	H
TSP	B	D	E
TSP	G	H	J

- Noms from 3PAD where 3PAD not identified as SR
 - 3PAD noms 1st & last AH info

From 3PAD

Option 3

TO	US	SR	DS
TSP	X	A	B
TSP	Z	F	G
3PAD	A	B	C
3PAD	B	C	D
3PAD	C	D	E
3PAD	F	G	H
3PAD	G	H	J
TSP	D	E	Y
TSP	H	J	Q
TSP	A	3PAD	B
TSP	F	3PAD	G
TSP	D	3PAD	E
TSP	H	3PAD	J

- 3PAD noms as SR to TSP
 - 3PAD identifies 1st & last AH inside 3PAD & connects to their outside counterparties

will cuts track intended title chain?

Option 4

TO	US	SR	DS
TSP	X	A	3PAD
TSP	Z	F	3PAD
3PAD	A	B	C
3PAD	B	C	D
3PAD	C	D	E
3PAD	F	G	H
3PAD	G	H	J
TSP	3PAD	E	Y
TSP	3PAD	J	Q
TSP	A	3PAD	E
TSP	F	3PAD	J

- 3PAD as US/DS on noms to TSP
 - Modified # 1
 - 3PAD identifies the parties just outside the 3PAD to tie noms together on either side of the 3PAD

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Discussion Workpaper

Option 5

TO	US	SR	DS
TSP	X	A	B
TSP	Z	F	G
3PAD	A	B	C
3PAD	B	C	D
3PAD	C	D	E
3PAD	F	G	H
3PAD	G	H	J
TSP	D	E	Y
TSP	H	J	Q
TSP	B	3PAD	D
TSP	G	3PAD	H

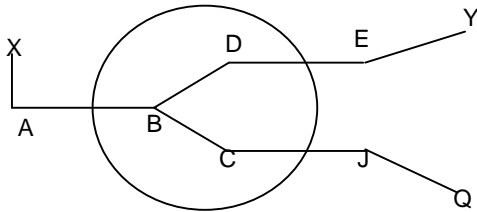
- 3PAD identifies 1st & last AH within the 3PAD in nom to TSP

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Discussion Workpaper

Scenario 3



Base Model

TSP tracking title; no 3pad

TO	US	SR	DS	QTY
TSP	X	A	B	20
TSP	A	B	C	10
TSP	A	B	D	10
TSP	B	D	E	10
TSP	B	C	J	10
TSP	D	E	Y	10
TSP	C	J	Q	10

TSP contracting single 3pad to perform all TTT on their behalf @ a location

Option 1

TO	US	SR	DS	QTY
TSP	X	A	3PAD	20
3PAD	A	B	C	10
3PAD	A	B	D	10
3PAD	B	D	E	10
3PAD	B	C	J	10
TSP	3PAD	E	Y	10
TSP	3PAD	J	Q	10

- Iris' method
- no nomination from 3pad to TSP
- 3PAD as US/DS on noms to TSP

Option 2

TO	US	SR	DS	QTY
TSP	X	A	B	20
3PAD	A	B	C	10
3PAD	A	B	D	10
3PAD	B	D	E	10
3PAD	B	C	J	10
TSP	D	E	Y	10
TSP	C	J	Q	10
TSP	A	B	C	10
TSP	A	B	D	10
TSP	B	D	E	10
TSP	B	C	J	10

- Noms from 3PAD where 3PAD not identified as SR
- 3PAD noms 1st & last AH info

From 3PAD

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Option 3

TO	US	SR	DS	QTY
TSP	X	A	B	20
3PAD	A	B	C	10
3PAD	A	B	D	10
3PAD	B	D	E	10
3PAD	B	C	J	10
TSP	D	E	Y	10
TSP	C	J	Q	10
TSP	A	3PAD	B	20
TSP	D	3PAD	E	10
TSP	C	3PAD	J	10

- 3PAD noms as SR to TSP
- 3PAD identifies 1st & last AH inside 3PAD & connects to their outside counterparties

Option 4

TO	US	SR	DS	QTY
TSP	X	A	3PAD	20
3PAD	A	B	C	10
3PAD	A	B	D	10
3PAD	B	D	E	10
3PAD	B	C	J	10
TSP	3PAD	E	Y	10
TSP	3PAD	J	Q	10
TSP	A	3PAD	B	10
TSP	A	3PAD	J	10

- 3PAD as US/DS on noms to TSP
- Modified # 1
- 3PAD identifies the parties just outside the 3PAD to tie noms together on either side of the 3PAD

Option 5

TO	US	SR	DS	QTY
TSP	X	A	B	20
3PAD	A	B	C	10
3PAD	A	B	D	10
3PAD	B	D	E	10
3PAD	B	C	J	10
TSP	D	E	Y	10
TSP	C	J	Q	10
TSP	B	3PAD	D	10
TSP	B	3PAD	C	10

- 3PAD identifies 1st & last AH within the 3PAD in nom to TSP

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Option 2

TO	US	SR	DS	QTY
TSP	X	A	B	20
3PAD	A	B	D	10
3PAD	B	D	E	10
TSP	D	E	Y	50
3PAD	A	B	C	10
3PAD	B	C	J	10
TSP	C	J	Q	10
TSP	Z	F	G	60
3PAD	F	G	D	40
3PAD	F	G	H	20
3PAD	G	D	E	40
3PAD	G	H	J	20
TSP	H	J	Q	20
TSP	A	B	D	10
TSP	A	B	C	10
TSP	B	D	E	10
TSP	B	C	J	10
TSP	F	G	D	40
TSP	F	G	H	20
TSP	G	D	E	40
TSP	G	H	J	20

- Noms from 3PAD where 3PAD not identified as SR
 - 3PAD noms 1st & last AH info

Option 3

TO	US	SR	DS	QTY
TSP	X	A	B	20
3PAD	A	B	D	10
3PAD	B	D	E	10
TSP	D	E	Y	50
3PAD	A	B	C	10
3PAD	B	C	J	10
TSP	C	J	Q	10
TSP	Z	F	G	60
3PAD	F	G	D	40
3PAD	F	G	H	20
3PAD	G	D	E	40
3PAD	G	H	J	20
TSP	H	J	Q	20
TSP	A	3PAD	B	20
TSP	F	3PAD	G	60
TSP	D	3PAD	E	50
TSP	C	3PAD	J	10
TSP	F	3PAD	J	20

- 3PAD noms as SR to TSP
 - 3PAD identifies 1st & last AH inside 3PAD & connects to their outside counterparties

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Discussion Workpaper

Option 4

TO	US	SR	DS	QTY
TSP	X	A	3PAD	20
3PAD	A	B	D	10
3PAD	B	D	E	10
TSP	3PAD	E	Y	50
3PAD	A	B	C	10
3PAD	B	C	J	10
TSP	3PAD	J	Q	30
TSP	Z	F	3PAD	60
3PAD	F	G	D	40
3PAD	F	G	H	20
3PAD	G	D	E	40
3PAD	G	H	J	20
TSP	A	3PAD	E	10
TSP	A	3PAD	J	10
TSP	F	3PAD	E	40
TSP	F	3PAD	J	20

- 3PAD as US/DS on noms to TSP
 - Modified # 1
 - 3PAD identifies the parties just outside the 3PAD to tie noms together on either side of the 3PAD

Option 5

TO	US	SR	DS	QTY
TSP	X	A	B	20
3PAD	A	B	D	10
3PAD	B	D	E	10
TSP	D	E	Y	50
3PAD	A	B	C	10
3PAD	B	C	J	10
TSP	C	J	Q	10
TSP	Z	F	G	60
3PAD	F	G	D	40
3PAD	F	G	H	20
3PAD	G	D	E	40
3PAD	G	H	J	20
TSP	H	J	Q	20
TSP	B	3PAD	D	10
TSP	B	3PAD	C	10
TSP	G	3PAD	D	40
TSP	G	3PAD	H	20

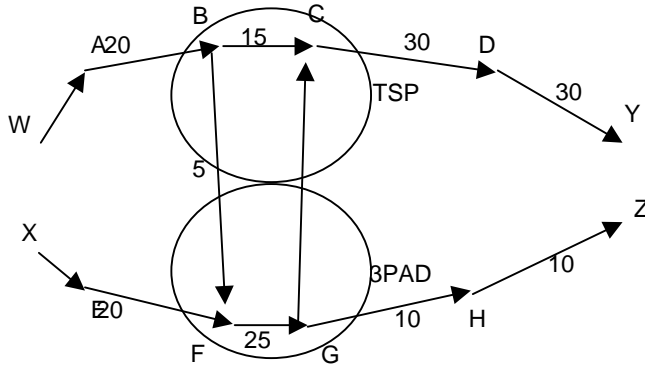
- 3PAD identifies 1st & last AH within the 3PAD in nom to TSP

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Discussion Workpaper

Scenario 5



Base Model

Base transactions

TO	US	SR	DS	QTY
TSP	W	A	B	20
TSP	A	B	C	15
TSP	B	C	D	15
TSP	C	D	Y	30
TSP	A	B	F	5
TSP	X	E	F	20
TSP	E	F	G	20
TSP	B	F	G	5
TSP	F	G	H	10
TSP	G	H	Z	10
TSP	F	G	C	15
TSP	G	C	D	15

TSP and single 3pad performing TTT @ a location

Option 1

TO	US	SR	DS	QTY
TSP	W	A	B	20
TSP	A	B	C	15
TSP	B	C	D	15
TSP	C	D	Y	30
TSP	A	B	F	5
TSP	X	E	F	20
3PAD	E	F	G	20
3PAD	B	F	G	5
3PAD	F	G	H	10
TSP	G	H	Z	10
3PAD	F	G	C	15
TSP	G	C	D	15

INCOMPLETE : EDD will resume at this point at the next meeting