



Illustration of examples in the open invitation

to apply for a licence for use of radio transmitters
in the 2500–2690 MHz band



Bank guarantee

*Illustrates
example 2 in the
open invitation*

	Bidder	Submits a bank guarantee that corresponds to:
	A	6 points
	B	14 points



Frequency blocks and their values






Each frequency block has been assigned a value indicated in points. The value is proportional to the bandwidth of each frequency block.

The FDD frequency blocks have been assigned 1 point each. The TDD frequency block has been assigned 5 points.

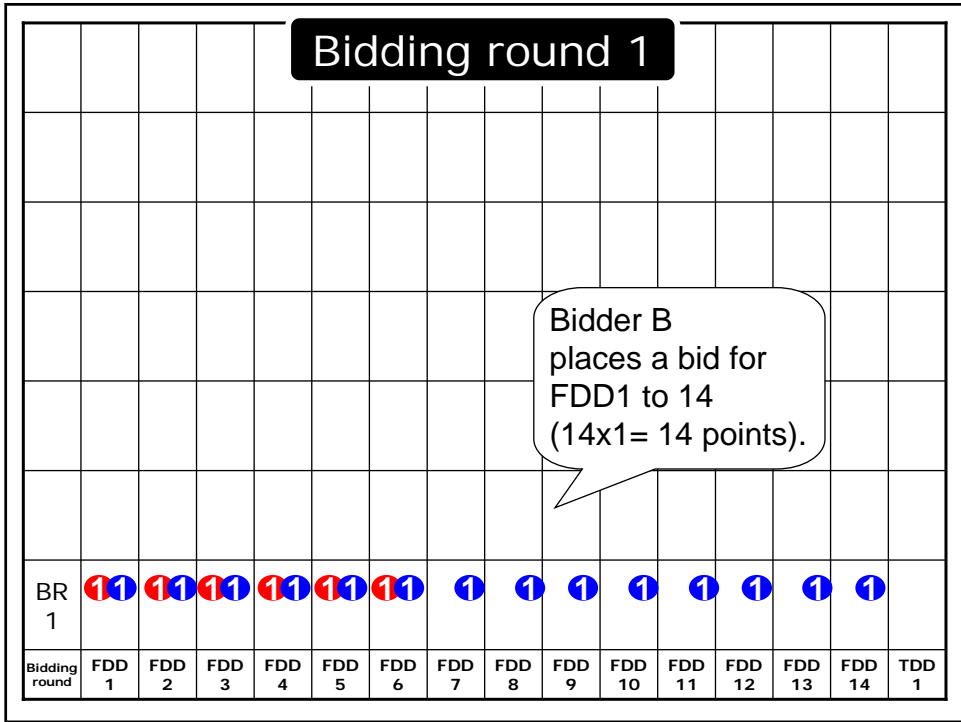
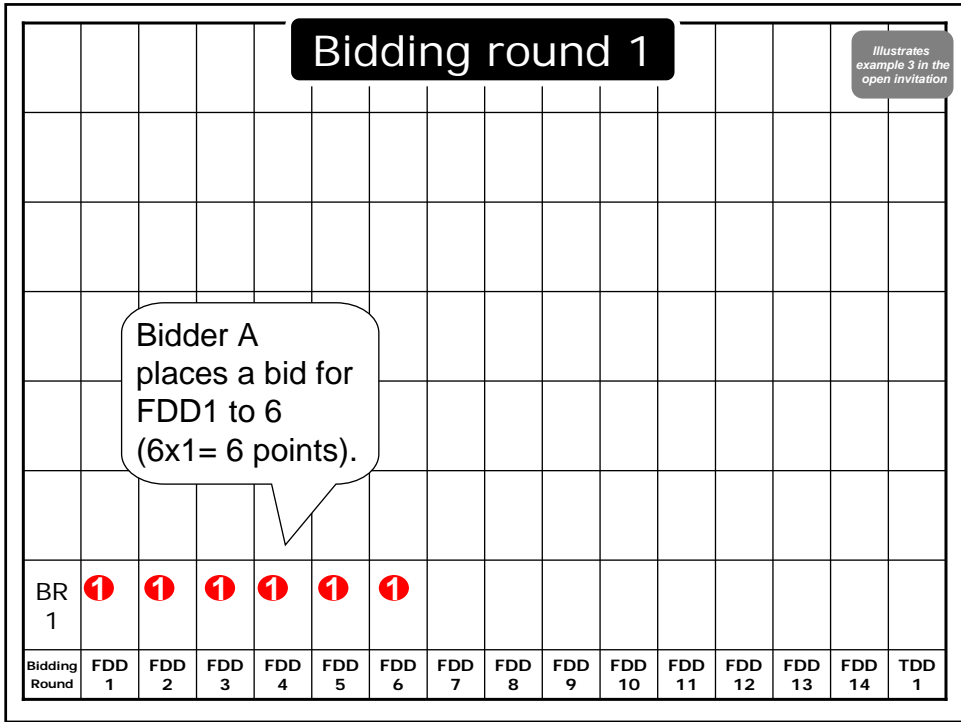
Points	1	1	1	1	1	1	1	1	1	1	1	1	1	1	5
	FDD 1	FDD 2	FDD 3	FDD 4	FDD 5	FDD 6	FDD 7	FDD 8	FDD 9	FDD 10	FDD 11	FDD 12	FDD 13	FDD 14	TDD 1



Symbols

-  = bid
-  = number indicates the value of the frequency block in points
-  = dotted line indicates that the bid is the standing highest bid in that frequency block
-  = bid placed in previous bidding round (still binding)
-  = bid that has been cancelled





Bidding round 1															
The auction system ranks the bids for FDD 1 to 6 by drawing lots .															
BR 1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
Bidding round	FDD 1	FDD 2	FDD 3	FDD 4	FDD 5	FDD 6	FDD 7	FDD 8	FDD 9	FDD 10	FDD 11	FDD 12	FDD 13	FDD 14	TDD 1

Bidding round 1															
Standing highest bids at the end of bidding round 1.															
BR 1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
Bidding round	FDD 1	FDD 2	FDD 3	FDD 4	FDD 5	FDD 6	FDD 7	FDD 8	FDD 9	FDD 10	FDD 11	FDD 12	FDD 13	FDD 14	TDD 1

Level of activity and eligibility (in points)

Bidder A's level of activity in the first bidding round:

- | | |
|--|-----|
| a) Standing highest bids at the start of bidding round 1 | 0 |
| b) Placed bids | + 6 |
| c) Cancelled standing highest bids | - 0 |

Eligibility in the second bidding round: = 6

Bidder B's level of activity in the first bidding round:

- | | |
|--|------|
| a) Standing highest bids at the start of bidding round 1 | 0 |
| b) Placed bids | + 14 |
| c) Cancelled standing highest bids | - 0 |

Eligibility in the second bidding round : = 14



Level of activity and Eligibility (in points)

Bidder A's level of activity in the first bidding round:

- | | |
|--|-----|
| a) Standing highest bids at the start of bidding round 1 | 0 |
| b) Placed bids | + 6 |
| c) Cancelled standing highest bids | - 0 |

Eligibility in the second bidding round: = 6

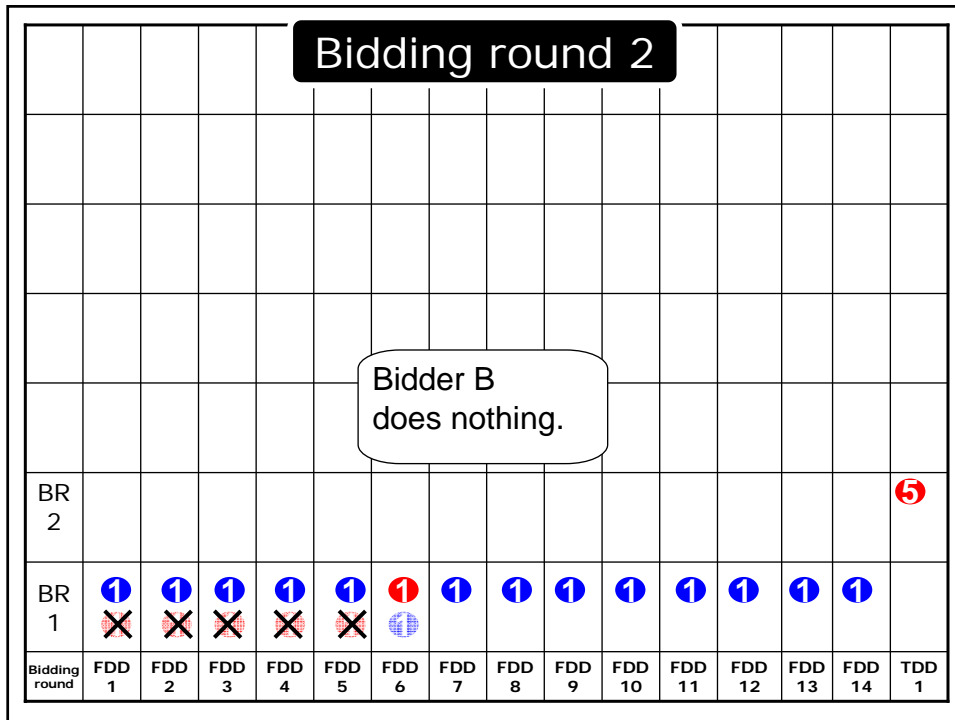
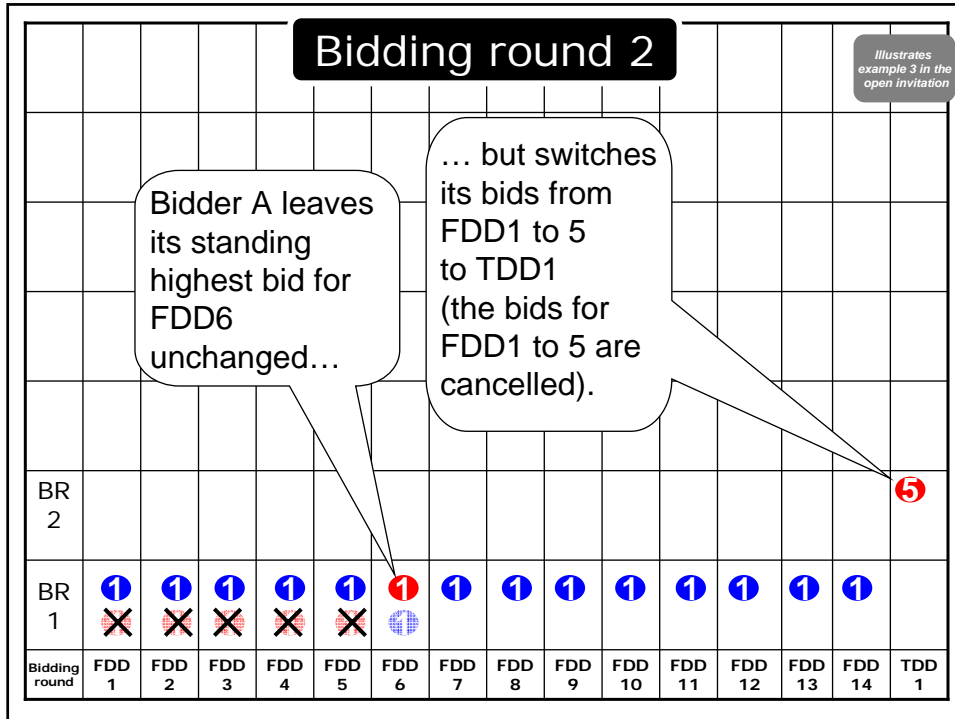
Bidder B's level of activity in the first bidding round:

- | | |
|--|------|
| a) Standing highest bids at the start of bidding round 1 | 0 |
| b) Placed bids | + 14 |
| c) Cancelled standing highest bids | - 0 |

Eligibility in the second bidding round: = 14

At the start of bidding round 1 there are no standing highest bids and there are no bids to cancel. The level of activity at the end of the first bidding round therefore consists only of (b) placed bids.





Bidding round 2															
Standing highest bids at the end of bidding round 2.															
BR 2															
BR 1															
Bidding round	FDD 1	FDD 2	FDD 3	FDD 4	FDD 5	FDD 6	FDD 7	FDD 8	FDD 9	FDD 10	FDD 11	FDD 12	FDD 13	FDD 14	TDD 1

Level of activity and eligibility (in points)

Bidder A's level of activity in the second bidding round:

- a) Standing highest bids at the start of bidding round 2 1
- b) Placed bids + 5
- c) Cancelled standing highest bids - 0

Eligibility in the third bidding round: = 6

Bidder B's level of activity in the second bidding round:

- a) Standing highest bids at the start of bidding round 2 13
- b) Placed bids + 0
- c) Cancelled standing highest bids - 0

Eligibility in the third bidding round: = 13



Level of activity and eligibility

Bidder A's level of activity in the second bidding round:

- a) Standing highest bids at the start of bidding round
- b) Placed bids
- c) Cancelled standing highest bids

Eligibility in the third bidding round:

Bidder B's level of activity in the second bidding round:

- a) Standing highest bids at the start of bidding round: 3
- b) Placed bids: + 0
- c) Cancelled standing highest bids: - 0

Eligibility in the third bidding round:

Bidder B's eligibility is reduced to 13 in the third bidding round. However, B still has binding bids for frequency blocks corresponding to 14 points.

$$3 + 0 - 0 = 13$$



Bidding round 3

Illustrates example 4 in the open invitation

Bidder A switches its bid from FDD6 to FDD1 (the bid for FDD6 is cancelled).

BR 3	1																
BR 2																	5
BR 1	1	1	1	1	1	X	1	1	1	1	1	1	1	1			
Bidding round	FDD 1	FDD 2	FDD 3	FDD 4	FDD 5	FDD 6	FDD 7	FDD 8	FDD 9	FDD 10	FDD 11	FDD 12	FDD 13	FDD 14	TDD 1		

Bidding round 3														
BR 3	1													
BR 2													5	
BR 1	1	1	1	1	1	1	1	1	1	1	1	1	1	
Bidding round	FDD 1	FDD 2	FDD 3	FDD 4	FDD 5	FDD 6	FDD 7	FDD 8	FDD 9	FDD 10	FDD 11	FDD 12	FDD 13	TDD 1

Bidder B does nothing.

Bidding round 3														
BR 3	1													
BR 2													5	
BR 1	1	1	1	1	1	1	1	1	1	1	1	1	1	
Bidding round	FDD 1	FDD 2	FDD 3	FDD 4	FDD 5	FDD 6	FDD 7	FDD 8	FDD 9	FDD 10	FDD 11	FDD 12	FDD 13	TDD 1

Standing highest bids at the end of bidding round 3.

Level of activity and eligibility (in points)

Bidder A's level of activity in the third bidding round:

- a) Standing highest bids at the start of bidding round 3 6
- b) Placed bids + 1
- c) Cancelled standing highest bids - 1

Eligibility in the fourth bidding round: = 6

Bidder B's level of activity in the third bidding round:

- a) Standing highest bids at the start of bidding round 3 13
- b) Placed bids + 0
- c) Cancelled standing highest bids - 0

Reactivated bid + 1

Eligibility in the fourth bidding round: = 14

Level of activity and eligibility (in points)

Bidder A's level of activity in the third bidding round:

- a) Standing highest bids at the start of bidding round 3 6
- b) Placed bids + 1
- c) Cancelled standing highest bids - 1

Eligibility in the fourth bidding round: = 6

Bidder B's level of activity in the third bidding round:

- a) Standing highest bids at the start of bidding round 3 13
- b) Placed bids + 0
- c) Cancelled standing highest bids - 0

Reactivated bid + 1

Eligibility in the fourth bidding round: = 14

B has received a reactivated bid since A switched its standing highest bid for FDD6. B's eligibility therefore increases to 14.

+ 1
= 14

Bidding round 4

Illustrates example 5 in the open invitation

Bidder A switches its bid from TDD1 (5 points) to FDD2 to 6 (5x1 points) (the bid for TDD1 is cancelled).

BR 4		1	1	1	1	1											
BR 3	1																
BR 2																	✗
BR 1	1	1	1	1	1	1	1	1	1	1	1	1	1	1			
Bidding round	FDD 1	FDD 2	FDD 3	FDD 4	FDD 5	FDD 6	FDD 7	FDD 8	FDD 9	FDD 10	FDD 11	FDD 12	FDD 13	FDD 14	TDD 1		

Bidding round 4

Bidder B does nothing.

BR 4		1	1	1	1	1											
BR 3	1																
BR 2																	✗
BR 1	1	1	1	1	1	1	1	1	1	1	1	1	1	1			
Bidding round	FDD 1	FDD 2	FDD 3	FDD 4	FDD 5	FDD 6	FDD 7	FDD 8	FDD 9	FDD 10	FDD 11	FDD 12	FDD 13	FDD 14	TDD 1		

Bidding round 4															
Standing highest bids at the end of bidding round 4.															
BR 4															
BR 3															
BR 2															
BR 1															
Bidding round	FDD 1	FDD 2	FDD 3	FDD 4	FDD 5	FDD 6	FDD 7	FDD 8	FDD 9	FDD 10	FDD 11	FDD 12	FDD 13	FDD 14	TDD 1

Level of activity and eligibility (in points)

Bidder A's level of activity in the fourth bidding round:

- a) Standing highest bids at the start of bidding round 4 6
- b) Placed bids + 5
- c) Cancelled standing highest bids - 5

Eligibility in the fifth bidding round: = 6

Bidder B's level of activity in the fourth bidding round:

- a) Standing highest bids at the start of bidding round 4 13
- b) Placed bids + 0
- c) Cancelled standing highest bids - 0

Eligibility in the fifth bidding round: = 13



Level of activity and eligibility (in points)

Bidder A's level of activity in the fourth bidding round:

- a) Standing highest bids at the start of bidding round 4: + 14
- b) Placed bids: + 0
- c) Cancelled standing highest bids: - 0

Eligibility in the fifth bidding round: = 14

Bidder B's level of activity in the fourth bidding round:

- a) Standing highest bids at the start of bidding round 4: + 13
- b) Placed bids: + 0
- c) Cancelled standing highest bids: - 0

Eligibility in the fifth bidding round: = 13

Bidder B's eligibility is reduced to 13. However, B still has binding bids for frequency blocks corresponding to 14 points.



Bidding round 5															Illustrates example 5 in the open invitation	
BR 5																
BR 4		1	1	1	1	1										
BR 3	1															
BR 2																
BR 1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		
Bidding round	FDD 1	FDD 2	FDD 3	FDD 4	FDD 5	FDD 6	FDD 7	FDD 8	FDD 9	FDD 10	FDD 11	FDD 12	FDD 13	FDD 14	TDD 1	

Bidder A does nothing.

Bidding round 5															
BR 5															
BR 4		1	1	1	1	1									
BR 3	1														
BR 2															
BR 1	1	1	1	1	1	1	1	1	1	1	1	1	1		
Bidding round	FDD 1	FDD 2	FDD 3	FDD 4	FDD 5	FDD 6	FDD 7	FDD 8	FDD 9	FDD 10	FDD 11	FDD 12	FDD 13	FDD 14	TDD 1

B considers switching its bids from FDD1 to 5 to TDD1. However, B also wishes to raise its bid for FDD6. B nevertheless lacks sufficient eligibility to do both. This would have required an eligibility of 14.

Bidding round 5															
BR 5		1	1	1	1	1									
BR 4		1	1	1	1	1									
BR 3	1														
BR 2															
BR 1	1	X	X	X	X	X	1	1	1	1	1	1	1	1	
Bidding round	FDD 1	FDD 2	FDD 3	FDD 4	FDD 5	FDD 6	FDD 7	FDD 8	FDD 9	FDD 10	FDD 11	FDD 12	FDD 13	FDD 14	TDD 1

For this reason, B instead chooses to raise its bids for FDD2 to 6 (B's lower bids for the same frequency blocks are cancelled).

Bidding round 5															
BR 5															
BR 4															
BR 3															
BR 2															
BR 1															
Bidding round	FDD 1	FDD 2	FDD 3	FDD 4	FDD 5	FDD 6	FDD 7	FDD 8	FDD 9	FDD 10	FDD 11	FDD 12	FDD 13	FDD 14	TDD 1

Standing highest bids at the end of bidding round 5.

Level of activity and eligibility (in points)

Bidder A's level of activity in the fifth bidding round:

- a) Standing highest bids at the start of bidding round 5 6
- b) Placed bids + 0
- c) Cancelled standing highest bids - 0

Eligibility in the sixth bidding round: = 6

Bidder B's level of activity in the fifth bidding round:

- a) Standing highest bids at the start of bidding round 5 8
- b) Placed bids + 5
- c) Cancelled standing highest bids - 0

Eligibility in the sixth bidding round: = 13

