



Dispatch Focus Group

14 August 2018

Agenda

1. Introduction & Overview
2. Sparse bidding formats
3. REBIDEXPLANATION field
4. Default bidding protocols
5. Pre-Dispatch & ST PASA
6. Transitional arrangements
7. Other issues?

Sparse bidding formats

The context

- 5-MS changes dispatch intervals → trading intervals on 1 July 2021
- Bids & offers must then contain data for each of the 288 trading intervals in a trading day c.f. the current 48:

TI	P1	P2	P3	P4	P5	P6	P7	P8	P9	P10
1										
2										
3										
⋮										
48										

TI	P1	P2	P3	P4	P5	P6	P7	P8	P9	P10
1										
2										
3										
⋮										
⋮										
⋮										
⋮										
⋮										
⋮										
⋮										
288										



1 July 2021

Some discussion 1

- AEMO believes it must offer a default option of 288 rows
- AEMO doesn't see any significant advantages in sparse bidding i.e. allowing participants to submit a subset of 288 rows to be expanded to a full trading day bid / offer using a pre-defined set of rules
 - Any reduction in the volumes of data being transferred seems fractional – not all participants would use this option, and AEMO is still required to inform participants of the data contained in any bid or offer as it will be used in central dispatch [NER 3.8.8(a)(2)]
 - The use of sparse bidding formats seems unlikely to noticeably increase the speed at which a rebid can be made in response to changed circumstances
 - Two different ways of submitting bids is also one more way in which things can go wrong
- AEMO is seeking industry input to test whether these views are correct
 - One possible form of sparse bidding is shown on the next slide

Some discussion 2

TI	P1	P2	P3	P4	P5	P6	P7	P8	P9	P10
1	15	5	0	0	0	0	0	0	0	100
2	10	5	5	0	0	0	0	0	0	100
3	10	5	5	0	0	0	0	0	0	100
⋮	10	5	5	0	0	0	0	0	0	100
⋮	10	5	5	0	0	0	0	0	0	100
⋮	20	10	20	0	0	30	0	0	0	40
⋮	20	10	10	0	0	20	0	0	0	60
⋮	20	10	10	0	0	20	0	0	0	60
⋮	20	10	10	0	0	20	0	0	0	60
⋮	20	10	10	0	0	20	0	0	0	60
⋮	20	10	10	0	0	20	0	0	0	60
⋮	20	10	10	0	0	20	0	0	0	60
⋮	10	5	5	0	0	0	0	0	0	100
⋮	10	5	5	0	0	0	0	0	0	100
288	10	5	5	0	0	0	0	0	0	100

1. Lack of a bid for the 1st TI could complicate default bidding

Sparse Bid: use subset of TIs to overwrite TIs until next entry or else end of trading day

Default Bid

2. Disallowing retrospective bidding within a trading day could also complicate default bidding

3. The last TI in a trading day would be the natural end-point for overwriting TIs

The questions

- Should AEMO offer participants the option of submitting “sparse” bids?
 - What format would the sparse bids take?
 - What would be the benefits?
 - What would be the impact on default bidding protocols (Item 4)?

REBIDEXPLANATION field

The context

- NER 3.8.22(c)(2) requires that all rebids are accompanied by:
 - A brief, verifiable and specific reason for the rebid
 - The time of the event used to justify the rebid
- The AER's *Rebidding & Technical Parameters Guideline* recommends that all rebids are accompanied by:
 - The time of the event used to justify the rebid (in HHMM format)
 - The time the participant became aware of this event
 - The category of rebid (P, A, F or E)
 - A brief, verifiable and specific reason for the rebid
- AEMO checks only that the REBIDEXPLANATION field is non-null before accepting a rebid
- The REBIDEXPLANATION field is also used for fixed load [NER 3.8.19(b)(1)] and low ramp rates [NER 3.8.3A(e)]

Some discussion 1

- The REBIDEXPLANATION field could be expanded into two-four fields
- The information required by the Rules – time of event and rebid reason – should be compulsory fields
- The additional information requested by the AER – time of awareness and rebid category – may be optional fields
- The time of event field (and the time of awareness field, if introduced) could require an entry in a time format
 - This would resolve text interpretation issues for the AER
- The REBIDEXPLANATION text field could still be used for fixed load and low ramp rate reasons
 - In this case only the REBIDEXPLANATION field would be compulsory for daily bids with fixed load / low ramp rates

The questions

- Should AEMO expand the existing REBIDEXPLANATION field?
 - How many new fields should be added?
 - Which fields should be compulsory and which voluntary?
 - Are any additional fields needed for fixed load / low ramp rates?

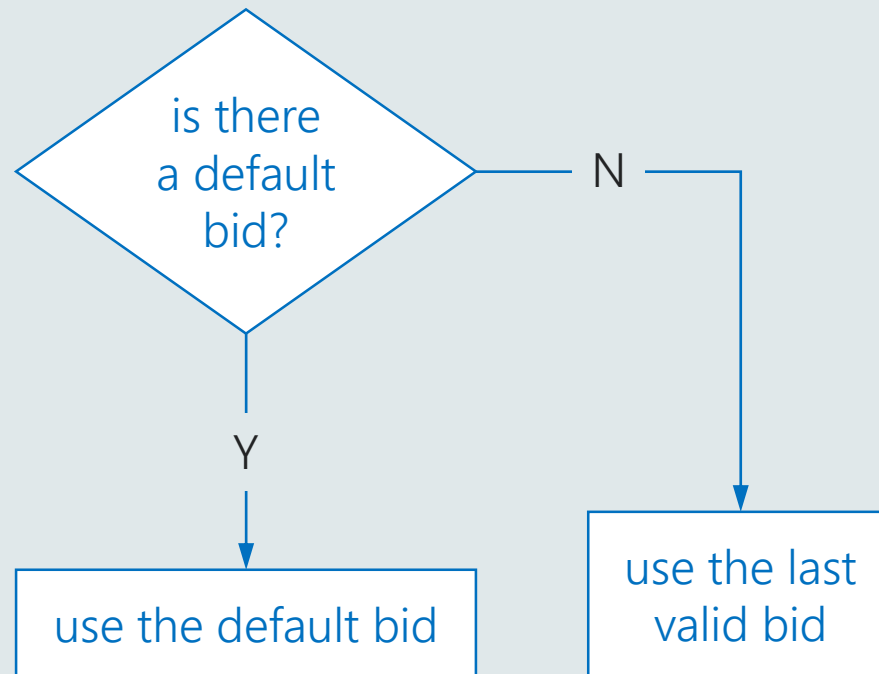
Default bidding protocols

The context

- Default bids can be submitted any time for any future trading day
- Bids can be varied or withdrawn any time before 1230 hrs AEST Day-1 [NER 3.8.9(b)]
- AEMO must develop a procedure for using prior bids as default bids
 - The current procedure is specified in the spot market operations timetable
 - AEMO will use the default bid for a trading day if one has been submitted
 - If no default bid has been submitted AEMO will use the most recent valid bid

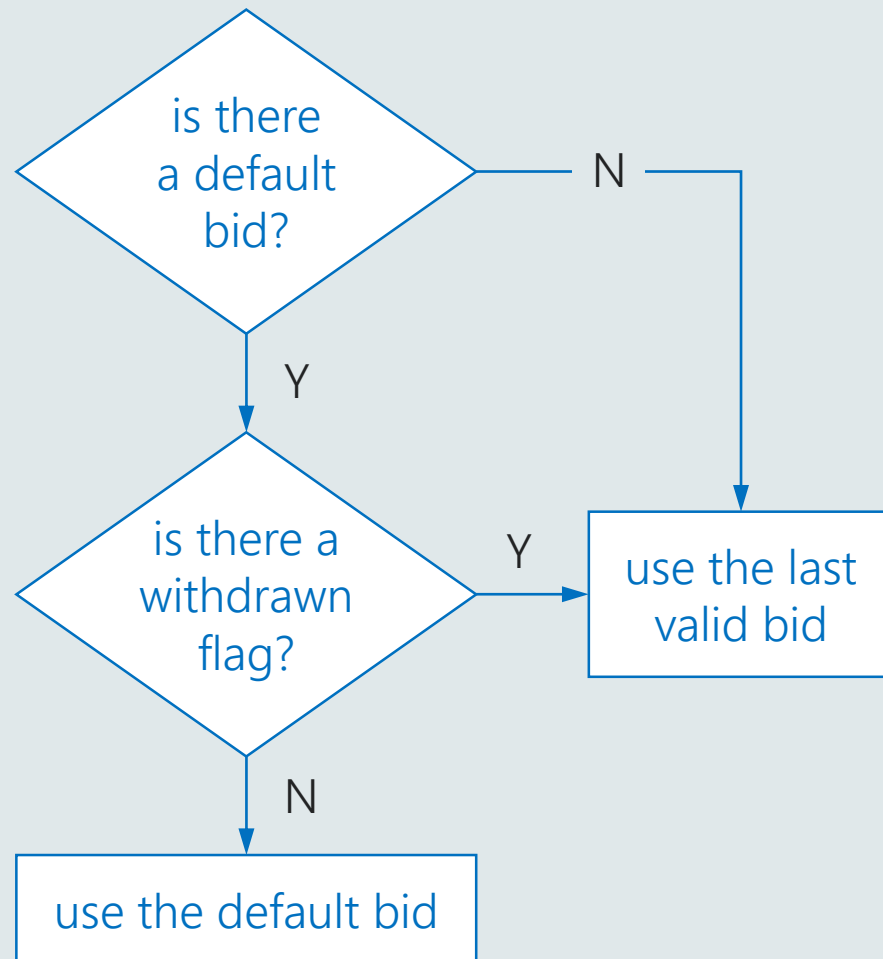
Some discussion 1

Current default bidding protocol:



Some discussion 2

Alternative default bidding protocol:



The questions

- Should AEMO introduce a “withdrawn” flag for default bids?
 - How should the withdrawn flag be used?
- Were any decisions made on “sparse” bids (Item 2)?
 - How would default bidding protocols need to change as a result?

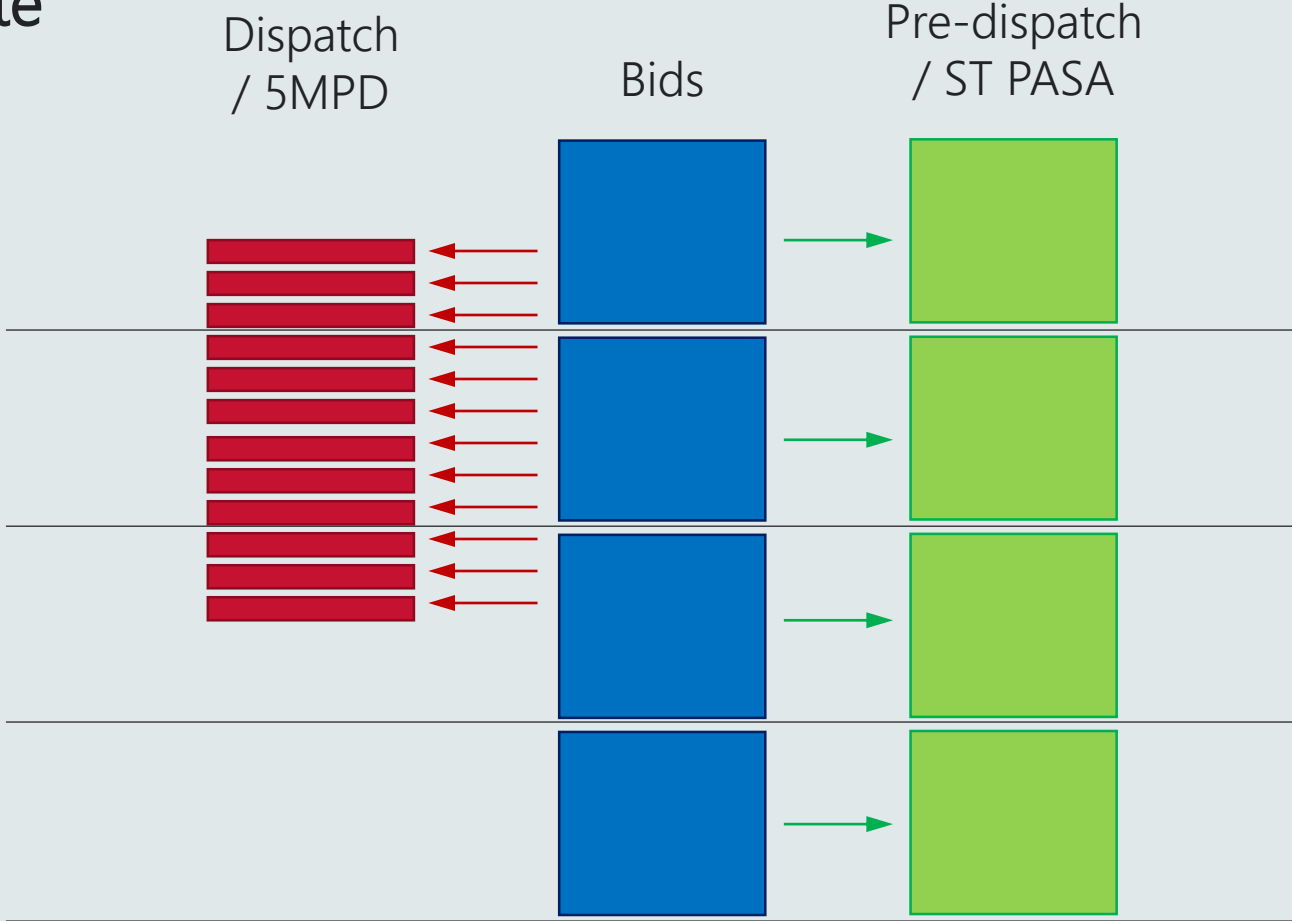
Pre-Dispatch & ST PASA

The context

- PD and ST PASA will continue in their present form under the 5-MS rule changes
- ST PASA availability is submitted as part of the dispatch bidding process
 - Avoids the need for two separate data entry systems
 - Encourages consistency between PD and ST PASA bids
- Need a rule for using 5-minute bidding data in 30-minute processes
- Current expectation is that PD and ST PASA will use the data from the last five-minute interval in each 30-minute period

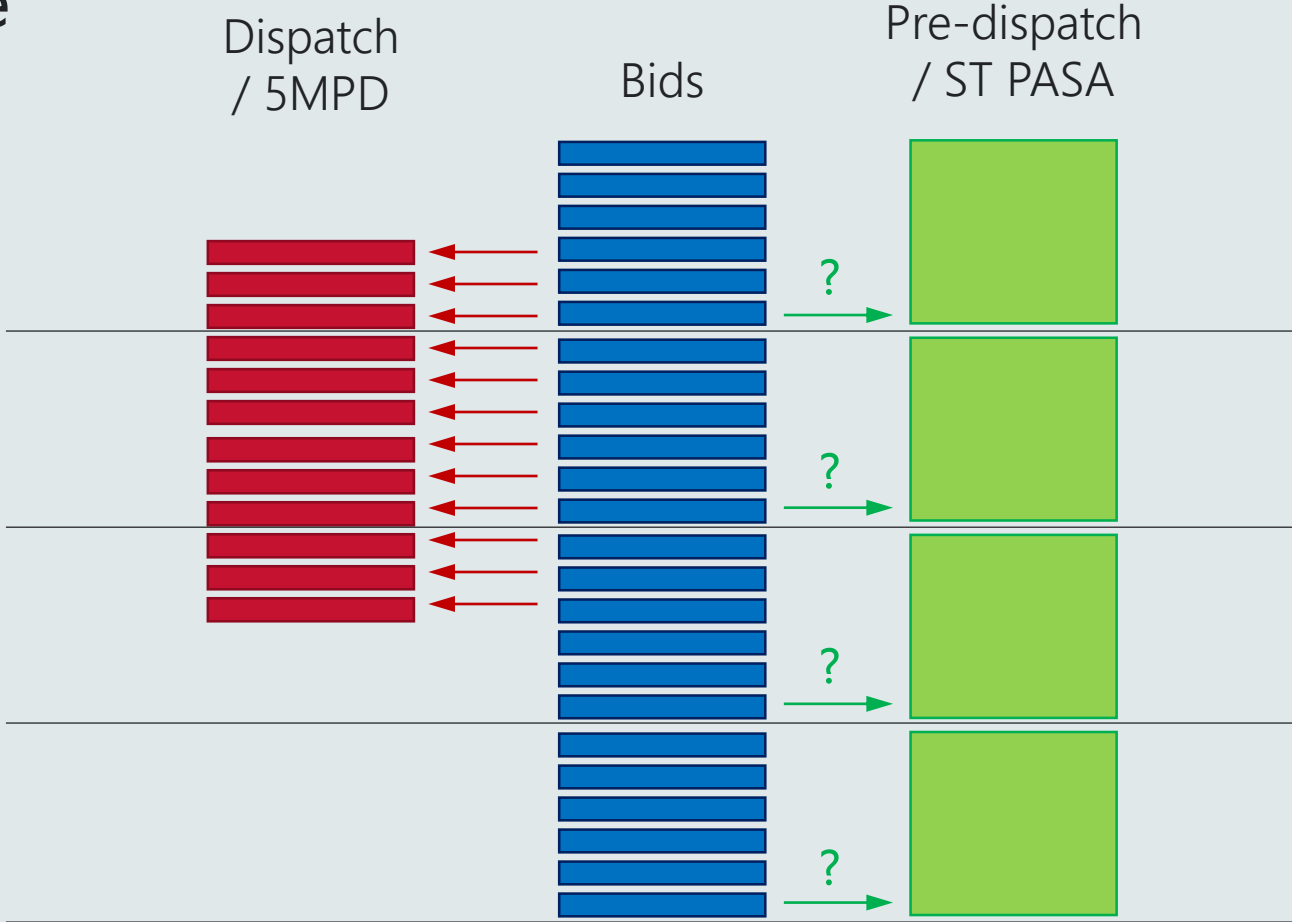
Some discussion 1

30-minute bidding:



Some discussion 2

5-minute bidding:



The questions

- Should ST PASA availability continue to be submitted with dispatch bids?
- Should PD & ST PASA use data from the last five-minute interval in each 30-minute period?
 - Another five-minute interval?
 - An average over the half hour?
 - A participant-nominated interval?

Transitional arrangements

The context

- 5-MS rule changes come into effect at 0000 hrs AEST on 1 July 2021
- Trading days start at 0400 hrs AEST
- Market systems would need to be designed, developed and tested well ahead of 1 July 2021
 - Why wouldn't you have a transitional period where 5-minute and 30-minute bidding systems were capable of running in parallel?

The questions

- Should there be a transitional period during which participants can submit either 5-minute or 30-minute bids?
 - How long should the transitional period last?
 - Would the transitional period advantage or disadvantage anyone?
 - Should the transitional period be specified in a rule change?

Other issues?

The questions

- Are there any bidding issues that have been missed?