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VERSION RELEASE HISTORY

Version	Effective Date	Summary of Changes
1.0	13 December 1998	Original version.
1.1	2 June 2016	Updated in accordance with Schedule 2 of the National Electricity Amendment (Energy Adequacy Assessment Projection timeframes) Rule 2016 No. 3.
1.2	9 September 2016	Accepted all changes made to V1.1.
1.3	28 October 2016	Accepted all changes made to V1.2.
1.4	<mark>dd month</mark> 2019	<u>Added 5MPD</u> in accordance with National Electricity Amendment (Five Minute Settlement) Rule 2017 No. 15. <u>Removed references to interim nature of CIR.</u> <u>Corrected minor errors.</u>



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1. INTRODUCTION

1.1. Purpose and scope

This is the *spot market* operations *timetable* (Timetable) made under clause 3.4.3 of the National Electricity Rules (NER).

The Timetable specifies who must do what by when in the *spot market*. The Timetable applies to *AEMO* and all *Registered Participants*.

This Timetable has effect for only the purposes set out in the NER. The NER and the National Electricity Law prevail over this Timetable to the extent of any inconsistency.

1.2. Definitions and interpretation

1.2.1. Glossary

Terms defined in the National Electricity Law and the NER have the same meanings in this Timetable.

Terms defined in the NER are intended to be identified in this Timetable by italicising them, but failure to italicise a defined term does not affect its meaning.

The words, phrases and abbreviations in the table below have the meanings set out opposite them when used in this Timetable.

Term	Definition
AEST	Australian Eastern Standard Time
CIR	Congestion information resource
EAAP	Energy Adequacy Assessment Projection
NER / Rules	National Electricity Rules
PASA	Projected assessment of system adequacy
Timetable	Spot market operations timetable
trading day	The 24-hour period from 0400 hrs to 0400 hrs the following day
TI	Trading interval

1.2.2. Interpretation

The following principles of interpretation apply to this Timetable unless otherwise expressly indicated:

- (a) This Timetable is subject to the principles of interpretation set out in Schedule 2 of the National Electricity Law.
- (b) References to time are references to Australian Eastern Standard Time (AEST) in 24-hour format.
- (c) References to days are references based on *trading days*. "Day 0" refers to an arbitrary *trading day*. "Day $\pm x$ " refers to the *trading day*, or the calendar day that forms the major part of the *trading day*, which is x days after (+) or before (-) Day 0.

(c)(d) "Bid" may refer to a bid or an offer.



2.1. Offers and bids

Day	Time of Day (EST)	Event	Provided By	Provided To	Period Covered	Frequency	Comments	NER Requirement
Anniversary of market startJune		Standing data <u>Bid and offer</u> <u>validation data</u> in accordance with Schedule 3.1 of the Rules	Participants	AEMO	Next financial year	Annually	Provide details of any changes. <u>This data is used to validate</u> <u>dispatch bids and offers.May</u> include tolerance levels. <u>Note</u> <u>changes occurring at any time</u> of year require notification to <u>AEMO at least 6 weeks in</u> <u>advance</u>	Schedule 3.1
Day -2	12:30	Capacity notification for Day 0: Capacity profile <i>Self-commitment / de- commitment</i> times Energy availability Rates of change	Participants	AEMO	Day 0	Daily	Capacity profile & rates of change are subject to Rule change proposals.s have a trading interval (TI) resolution. Only energy-constrained generating units_and scheduled loads are required to provide daily energy limits. Only slow start scheduled generating units are required to provide estimated commitment / decommitment times.	3.8.4, 3.8.17, 3.8.18



Day	Time of Day (EST)	Event	Provided By	Provided To	Period Covered	Frequency	Comments	NER Requirement
Day -1	12:30	Bidding closes for Day 0. Bids contain quantities specified under clauses 3.8.6, 3.8.6A ₂ & 3.8.7 <u>and 3.8.7A</u> of the Rules, including: MW quantities for each band prices for each band	Participants	AEMO	Day 0	Daily	Band prices in bids for Day 0 cannot be changed after 12:30.	3.8.5, 3.8.6, 3.8.6A, 3.8.7, 3.8.7A
Day 0	Up to when rebid is captured for dispatch	Rebidding closes. <i>Rebids</i> contain quantities specified under clause 3.8.22 of the Rules, including MW quantities for each band	Participants	AEMO	From <u>12:30</u> <u>Day -1</u> acceptance of bid-to <u>the</u> end of Day 0	Ongoing	Band prices cannot be rebid.Rebids must include a brief, verifiable and specific reason for the rebid Reason for rebid must be included and the time of the event cited as the cause of the rebid.	3.8.22
Day-1	12:30	Bidding closes for Day 0. Bids contain quantities specified under clauses 3.8.6, 3.8.6A & 3.8.7 of the Rules, including: MW quantities for each band prices for each band	Participants	AEMO	Day 0	Daily	Band prices in bids for Day 0 cannot be changed after 12:30.	3.8.5, 3.8.6, 3.8.6А, 3.8.7, 3.8.7А



Day	Time of Day (EST)	Event	Provided By	Provided To	Period Covered	Frequency	Comments	NER Requirement
Day 9 <u>Ongoing</u>	ASAP, on receipt of a valid bid	Acknowledgement of receipt of valid <i>dispatch offer, dispatch bid</i> or <i>market ancillary service</i> offer, and data contained in these offers as they will be used in the <i>dispatch</i> if the bid is valid. The <u>reason(s) for rejection if the bid</u> is invalid. process	AEMO	Participants	Day 0	Ongoing		3.8.8
Ongoing		Defaulting <i>dispatch bid</i> , <i>dispatch offer</i> or <i>market</i> <i>ancillary service</i> offer to the last valid bids and offers	Participants	AEMO	Covers days where no daily bids or offers are-have been submitted-for.	Ongoing	If no valid daily bid or offer is received for a particular day, the last valid bid or offer is used.	3.8.9
Ongoing	ASAP	Submit each <i>semi-scheduled</i> <i>generating unit</i> plant availability if it differs more than 6_MW from the <i>nameplate rating</i> . Subsequent notification to advie <u>s</u> e its return to within 6_MW from of the nameplate rating.	Participants	AEMO	Day 0 to period covered by <u>m</u> Medium term PASA	As frequently as changes occur.	Submit data as soon as aware of changes in dispatch, pre- dispatch and PASA timeframes.	3.7B(b)



2.2. PASA

Day	Time of Day (EST)	Event	Provided By	Provided To	Period Covered	Frequency	Comments	NER Requirement
Ongoing		Submit data for <u>s</u> <i>Short</i> <u><i>F</i><u>t</u><i>erm PASA</i>, including: <i>Scheduled generating</i> <i>units, scheduled load</i> and <i>scheduled network service</i> availability; <i>Network outages</i>.</u>	Participants & AEMO	AEMO	6 <i>trading days</i> from end of <i>trading day</i> covered by most recent <u>30-minute</u> pre-dispatch schedule.	As frequently as changes occur.	Half hourly resolution. AEMO converts network outage information into constraints.	3.7.3(e), (f), (g)
Daily	14:00	Publish <u>s</u> hort term PASA, including <i>load</i> forecast for each <i>region</i> .	AEMO	Participants	6 <i>trading days</i> from end of <i>trading day</i> covered by most recent <u>30-minute</u> pre-dispatch schedule.	Daily as a minimum Rule requiremen t. Current system target is 2 hourly.	<i>Short term PASA</i> is provided in half- hourly resolution.	3.7.3(a), (b), (h), 4.9.1(a)
Ongoing		Submit data for <u>m</u> Medium term PASA, including: Scheduled generating units, scheduled load and scheduled network service availability; Network outages.	Participants & AEMO	AEMO	24 months from the Sunday after the day of publication.	As frequently as changes occur.	Daily resolution. AEMO converts network outage information into constraints. Also refer to the requirements under the interim CIR in this document.	3.7.2(d), (e), 11.30.2(c)



Day	Time of Day (EST)	Event	Provided By	Provided To	Period Covered	Frequency	Comments	NER Requirement
Each Tuesday	16:00	Publish <u>m</u> 4edium T erm PASA, including <i>load</i> forecast for each <i>region</i> .	AEMO	Participants	24 months from the Sunday after the day of publication.	Weekly as a minimum. More frequently if a materially significant change exists.	<i>Medium <u>Iterm</u> PASA</i> is provided in daily resolution.	3.7.2(a), <u>(b),</u> (f), 4.9.1(a)

2.3. Dispatch and pre-dispatch

Day	Time of Day (EST)	Event	Provided By	Provided To	Period Covered	Frequency	Comments	NER Requirement
Day -1	As soon as possible (ASAP) after 12:30, no later than 16:00.	Publish <u>the 30-minute</u> pre- dispatch <u>schedule</u> for Day 0, including <i>regional</i> <i>load</i> forecast <u>s and available</u> <u>generation</u> -for each-region-	AEMO	Participants	Day 0	Each 3 hours as a minimum Rule requirement. Current system target is half hourly.	P <u>30-minute p</u> re- dispatch schedule is provided in half hourly resolution.	3.8.20, <u>3.13.4(i),</u> 4.9.1(a)
Day 0	Every 5 min. (approx.)	Dispatch.	AEMO	Participants	Next <i>dispatch interval</i> five minutes(trading interval from 1 July 2021)	Every 5 minutes.	Dispatch is according to current bids, offers and rebids.	3.8.21
<u>Day 0</u>	<u>Every 5</u> minutes	<u>Five-minute pre-dispatch</u>	<u>AEMO</u>	<u>Participants</u>	<u>At least the next hour</u>	Every <mark>5</mark> minutes from 1 July 2021	<u>This will not be a</u> <u>Rules requirement</u> <u>until 1 July 2021</u>	<u>3.8.20</u>



2.4. Market information

Day	Time of Day (EST)	Event	Provided By	Provided To	Period Covered	Frequency	Comments	NER Requirement
Each Tuesday	16:00	Publish outcome of <i>Medium <u>t</u>∓erm PASA</i> .	AEMO	Participants	24 months from the Sunday after the day of publication.	Weekly as a minimum	<i>Medium term PASA</i> is provided in daily resolution.	3.13.4 (a)
Day 0	14:00	Publish outcome of <u>s</u> Short term PASA.	AEMO	Participants	6 <i>trading days</i> from end of <i>trading day</i> covered by most recent <u>30-minute</u> pre-dispatch schedule.	Daily as a minimum Rule requirement. Current system target is every 2 hours.	Short term PASA is provided in half hourly resolution.	3.13.4 (c)
Day –1	ASAP after 12:30, no later than 16:00.	Publish <u>30-minute</u> pre- dispatch schedule.	AEMO	Participants	Day 0	Every 3 hours as a minimum Rule requirement. Current system target is half hourly.	P <u>30-minute p</u> re-dispatch schedule is provided in half-hourly resolution.	3.13.4 (e), (i)
Day –1	ASAP after 12:30, no later than 16:00.	Publish forecast of spot prices <u>energy</u> and ancillary service prices at each regional reference node.	AEMO	Participants	Day 0	Every 3 hours as a minimum Rule requirement. Current system target is half hourly.	Forecast of spot-prices is are provided in half hourly resolution. Based on <u>30-minute pre-dispatch</u> schedule.	3.13.4 (g), (i)
Day –1	ASAP after 12:30, no later than 16:00.	Publish expected sensitivity of the forecast spot <u>energy</u> prices to changes in the forecast <i>load</i> or generating unit availability.	AEMO	Participants	Day 0	Every 3 hours as a minimum Rule requirement. Current system target is half hourly.	Sensitivity forecast of spot <u>energy</u> prices is provided in half hourly resolution. Based on <u>30-minute</u> pre- dispatch schedule.	3.13.4 (h), (i)



Day	Time of Day (EST)	Event	Provided By	Provided To	Period Covered	Frequency	Comments	NER Requirement
<u>Day 0</u>	<u>Every 5</u> <u>minutes.</u>	Publish <u>5</u> -minute pre- dispatch schedule.	<u>AEMO</u>	Participants	<u>At least the next</u> <u>hour</u>	Minimum Rule requirement is every 3 hours. The system target will be every 5 minutes from 1 July 2021.	<u>This will not be a Rules</u> <u>requirement until</u> <u>1 July 2021</u>	<u>3.13.4 (f)</u>
<u>Day 0</u>	<u>Every 5</u> <u>minutes</u>	Publish forecast <u>spot prices</u> and ancillary service prices at each regional reference node.	<u>AEMO</u>	Participants	<u>At least the next</u> <u>hour</u>	The minimum Rule requirement is every 3 hours. The system target will be every 5 minutes from 1 July 2021.	<u>This will not be a Rules</u> requirement until <u>1 July 2021</u>	<u>3.13.4 (g)</u>
Day 0	ASAP after start of <i>dispatch</i> <i>interval</i> <i>(trading</i> <i>interval</i> <u>from</u> <u>1 July 2021)</u> .	Publish <i>dispatch energy prices (<u>spot prices from 1</u> July 2021) and <i>ancillary</i> <i>service prices</i> for each <i>regional reference node</i>.</i>	AEMO	Participants	Current <i>dispatch</i> <i>interval<u>(trading</u> <u>interval</u> from 1 July 2021)</i>	Every 5 min.		3.13.4 (l)
Day 0	ASAP after start of last <i>dispatch</i> <i>interval</i> in the <i>trading</i> <i>interval</i> (last <i>trading</i> <i>interval</i> in a <u>30-minute</u> <i>period</i> from 1 July 2021).	Publish <i>regional reference</i> <i>node</i> -prices <u>(30-minute</u> prices from 1 July 2021).	AEMO	Participants	Current <i>trading</i> <i>interval <u>(30-minute</u> <u>period from 1 July</u> <u>2021)</u></i>	Every half hour.		3.13.4(m) <u>(or,</u> <u>after</u> <u>1 July 2021,</u> <u>3.13.4(l1))</u>



Day	Time of Day (EST)	Event	Provided By	Provided To	Period Covered	Frequency	Comments	NER Requirement
Day +1	ASAP after start of <i>trading day.</i>	Publish for Day 0: Regional reference prices; Ancillary service prices; Regional and total interconnected system loads and energies; Inter-regional loss factors; Network constraints.	AEMO	Participants	Day 0	Daily	Half hourly resolution <u>(5-</u> <u>minute resolution from 1</u> July 2021).	3.13.4(n)
Day +1	ASAP after start of <i>trading day</i>	Publish for Day 0, <i>inter-</i> <i>regional</i> flows	AEMO	Participants	Day 0	Daily	Half hourly resolution <u>(5-</u> minute resolution from 1 July 2021).	3.13.4(n1)
Day 0	ASAP after start of dispatch interval .	Advise constrained on or off-scheduled generating units-or-scheduled network service-provider of impact of network constraint within its own-region.	AEMO	Participants	Current- dispatch interval	Every 5 min.		3.13.4 (o)
Day +1	ASAP after start of <i>trading day</i> .	Publish final <i>dispatch</i> offers, <i>dispatch bids</i> and <i>market ancillary services</i> offers received, as well as actual availabilities of generating units, scheduled network services, scheduled loads and market ancillary services.	AEMO	Participants	Day 0	Daily		3.13.4 (p)



Day	Time of Day (EST)	Event	Provided By	Provided To	Period Covered	Frequency	Comments	NER Requirement
Day +1	ASAP after start of <i>trading day</i> .	Publish dispatched generation, dispatched network service, dispatched load for each scheduled generating unit, semi- scheduled generating unit, scheduled network service and scheduled load respectively. Publish application of semi- dispatch cap to each semi- scheduled generating unit.	AEMO	Participants	Day 0	Daily	5minute resolution for dispatch interval and half- hourly resolution for trading interval (or, after 1 July 2021, 5-minute resolution for trading intervals and half-hourly resolution for 30-minute periods).	3.13.4 (q)
Day 0	ASAP after start of <i>dispatch</i> <i>interval</i> <u>(trading</u> <i>interval</i> <u>from</u> <u>1 July 2021).</u>	Publish actual generation of scheduled generating unit, semi-scheduled generating unit and non- scheduled generating unit or non-scheduled generating systems. Publish actual network service for scheduled network service. Publish actual load for scheduled load.	AEMO	Public	Current <i>dispatch</i> <i>interval</i> <u>(current</u> <i>trading interval</i> <u>from 1 July 2021).</u>	Every 5 minutes	The actual <i>generation</i> is measured at the beginning of each <i>dispatch interval</i> (trading interval from 1 July 2021).	3.13.4(r)
Day +1		Publish operational irregularities.	AEMO	Participants	Day 0	Daily		3.13.4 (w)



Day	Time of Day (EST)	Event	Provided By	Provided To	Period Covered	Frequency	Comments	NER Requirement
Day 0	ASAP after start of last <i>dispatch</i> <i>interval</i> in the <i>trading</i> <i>interval</i> .	Publish regional aggregation of actual non- scheduled generation for each trading interval	AEMO	Participants	Current <i>trading</i> <i>interval</i>	Every half hour	Currently, the actual values are measured at the beginning of each dispatch interval and published (Not a Rule requirement). The trading interval data (as required by the Rule) is the average of these dispatch interval values in the trading interval.	3.13.4 (x)
Day –1	ASAP after 12:30, no later than 16:00.	Publish unconstrained intermittent generation forecast for semi-scheduled generating units.	AEMO	Participants	Day 0	Every 3 hours as a minimum Rule requirement. Current system target is half hourly.	Half-hourly resolution.	3.13.4 (y)
Each Tuesday	16:00	Publish a forecast of the requirements for each type of <i>market ancillary</i> <i>service</i> for each <i>region</i> for the following week.	AEMO	Participants	Next 7 days	Weekly as a minimum. Target daily. More frequently if there are significant changes to forecast requirements.	Half hourly resolution.	3.13.4A
July <u>September</u> of each year		Publish costs of all of its operations associated with the acquisition of <i>market</i> <i>ancillary services</i> and <i>non</i> <i>market ancillary services</i> .	AEMO	Participants	Last financial year	Annually for non- market ancillary services. Weekly updates for market ancillary services.	Monthly resolution.	3.13.5(a)



Day	Time of Day (EST)	Event	Provided By	Provided To	Period Covered	Frequency	Comments	NER Requirement
Ongoing		Publish the historical data used in determining the 'causer pays' factors for each Participant at least 8 business days prior to the application of these factors.	AEMO	Participants	'Causer pays' sample period	Every 4 weeks from commence- ment of <i>market</i> <i>ancillary services</i> date.	4 weekly resolution.	3.15.6A(n)
Ongoing		Publish the 'causer pays' factors at least 10 business days prior to the application of these factors.	AEMO	Participants	'Causer pays' sample period	Every 4 weeks from commence- ment of <i>market</i> <i>ancillary services</i> date.	4 weekly resolution.	3.15.6A(na)



2.5. Settlements

Day	Time of Day (EST)	Event	Provided By	Provided To	Period Covered	Frequency	Comments	NER Requirement
End of billing period + 5 business days	No later than 18:00	Publish the Carbon Dioxide Equivalent Intensity Index for the days of the Billing Period	AEMO	Publically available via the AEMO web site	Billing period	Weekly	The data published will include a Carbon Dioxide Equivalent Intensity Index for each day of the billing period	3.13.14
End of billing period + 5 business days	Approximately 12:00 Sydney Time, no later than 18:00	Issue Preliminary Settlement Statement to Participant.	AEMO	Market Participants	Billing period containing Day 0	Weekly		3.15.14
End of billing period + 18 business days	Approximately 12:00 Sydney Time, no later than 18:00	Issue Final Settlement Statement to Participant.	AEMO	Market Participants	Billing period containing Day 0	Weekly		3.15.15
End of billing period +20 business days	By 10:30 Sydney Time.	Participants pay to AEMO in cleared funds the amount stated to be payable on the relevant final statement.	Participants	EFT Provider	Billing Period containing Day 0	Weekly	Times must align with EFT Provider and RTGS System deadlines.	3.15.16



Day	Time of Day (EST)	Event	Provided By	Provided To	Period Covered	Frequency	Comments	NER Requirement
End of billing period +20 business days	By 14:00 Sydney Time.	AEMO pays to Participants in cleared funds the amount stated to be payable on the relevant final statement.	AEMO	EFT Provider	Billing Period containing Day 0	Weekly	Subject to all payments to AEMO being cleared by 10:30 Sydney Time and Participant's Exigo Transactions entered and matched by 13:00 Sydney Time	3.15.17
End of billing period +20 weeks	Approximately 12:00 Sydney Time, no later than 18:00	Issue Routine Revised Statement.	AEMO	Market Participants	Billing Period containing Day 0	Weekly	Based on amended metering data, trading amounts, Participant fees or other amounts payable or receivable by the Participant.	3.15.19(b)
End of billing period +30 weeks	Approximately 12:00 Sydney Time, no later than 18:00	Issue Routine Revised Statement.	AEMO	Market Participants	Billing Period containing Day 0	Weekly	Based on amended metering data, trading amounts, Participant fees or other amounts payable or receivable by the Participant.	3.15.19(b)
End of billing period +20 business days	By 16:00 Sydney Time.	AEMO pays to Participants in cleared funds to the value of the maximum total payment.	AEMO	EFT Provider	Billing Period containing Day 0	Weekly, if required.	Not required if all payments to AEMO are cleared by 10:30. Maximum total payment includes late payments and credit support drawings received prior to 14:00.	3.15.22



Day	Time of Day (EST)	Event	Provided By	Provided To	Period Covered	Frequency	Comments	NER Requirement
After end of financial year +1 business day	Approximately 12:00 Sydney Time, no later than 18:00	AEMO determines payment adjustments to Participants.	AEMO	Market Participants	Financial year containing Day 0	Once per year. <u>As</u> required, when additional funds are received after shortfall.	Only required if AEMO receives late payment for a payment default that occurred in the financial year.	3.15.23 to 3.15.25

2.6. EAAP

Day	Time of Day (EST)	Event	Provided By	Provided To	Period Covered	Frequency	Comments	NER Requirement
Within 3 weeks from the time AEMO issues an AEMO Communication for annual EAAP reporting.	By 16:00 hr	Submission of variable GELF parameters for annual EAAP reporting.	Scheduled Generators	AEMO	Information to cover the next eight quarters	Annually	Information must be provided consistent with the EAAP guidelines	3.7C(b)(6)(D), (e), (f)



Day	Time of Day (EST)	Event	Provided By	Provided To	Period Covered	Frequency	Comments	NER Requirement
One month after receipt of the GELF parameters for annual <i>EAAP</i> reporting. The publication date will fall on the last day of that Month.		Publish EAAP	AEMO	Participants	Information to cover the next eight quarters.	Annually		3.7C(d)
Within 3 weeks from the time AEMO issues an AEMO Communicaion informing <i>Scheduled</i> <i>Generators</i> that a <i>GELF</i> update is required for additional <i>EAAP</i> reporting.	By 16:00 hr	Submission of variable GELF parameters for additional EAAP reporting.	Scheduled Generators	AEMO	Information to cover the next eight quarters.	Driven by the 'Factors' (as defined in the RSIG) that necessitate review of the previously published EAAP.	Information provided must be consistent with the EAAP guidelines and RSIG.	3.7C(h)2



Day	Time of Day (EST)	Event	Provided By	Provided To	Period Covered	Frequency	Comments	NER Requirement
One month after receipt of the <i>GELF</i> parameters for additional <i>EAAP</i> reporting, or one month after acknowledging the need for additional <i>EAAP</i> reporting if a <i>GELF</i> update is not required.		Publish EAAP	AEMO	Participants	Information to cover the next eight quarters.	Driven by the 'Factors' (as defined in the RSIG) that necessitate review of the previously published EAAP.		3.7C(d)2

2.7. Interim CIR

Day	Time of Day (EST)	Event	Provided By	Provided To	Period Covered	Frequency	Comments	NER Requirement
Each day	Every 4 hours commencing midnight	Publish Network Outage Schedule.	AEMO	Participants	Up to two years in advance	Every 4 hours		11.30.2<u>3.7A</u>(b)(1)₋₇ (d), (f)
By the fifth business day of each month	By 16:00 hr	Provide planned network outage information	TNSP	AEMO	Up to 13 months in advance	Monthly as a minimum as well as material changes		11.30.2<u>3.7A</u>(e<u>b</u>), (h<u>f</u>)





Day	Time of Day (EST)	Event	Provided By	Provided To	Period Covered	Frequency	Comments	NER Requirement
By the fifteenth business day of each month	By 16:00 hr	Publish planned network outage information	AEMO	Participants	Up to 13 months in advance	Monthly as a minimum		1 1.30.2<u>3.7A</u>(b)(3) & (1) , (d) , (f)
By the second Friday of every third month commencing March 2010	By 16:00 hr	Publish mis-pricing information	AEMO	Participants	The previous 3 months	Quarterly as a minimum		1 1.30.2(b)(2) , (d), (f)