

The following template is intended for stakeholders to provide comments with respect to the proposed changes of the AUC Rule 021, Settlement System Code. When providing your comments, please reference to the proper section/number of the proposed changes. Once is completed, please e-mail the comment matrix to [regulatorypolicy@auc.ab.ca](mailto:regulatorypolicy@auc.ab.ca) . Thank-you.

Reference to the AUC Rule 021, Settlement System Code, Section/Number	Stakeholder Comment	AUC Response
<b>Part 1: Proposed Changes</b>		
<b>1. Definitions</b>	From ATCO Electric: <ul style="list-style-type: none"> <li>The MSS definition of “metering system” is “All the metering equipment required for the measurement and, if applicable, remote storage of the active energy and reactive energy interval data for a single metering point.” This definition is a more appropriate as the definition of MPDR, that uses this term, also comes from the MSS.</li> <li>“Micro-generation” should be defined as in the regulation as this term is frequently in the proposed changes.</li> </ul>	<ul style="list-style-type: none"> <li>Agreed. For consistency purpose, will use the definition as defined in the Measurement System Standards (MSS) document.</li> <li>Disagreed. In accordance with the Micro-generation Regulation, the terms of micro-generation for large and small have already been defined. There is no need to define the micro-generation.</li> </ul>
<b>3. Load Profiling Methods</b>	From Direct Energy: <ul style="list-style-type: none"> <li>In the Load Profiling section, the proposed section 3.5 does not deal with the situation where the customer receives an interval meter because their load is above the distributor's load profiling cap, while their generation would be classified as a small micro-generator. In the TWG meetings we decided that, if the customer has to have an interval meter due to their load size, they would be classified as a large micro-generator so that we would get interval meter data for both sides.</li> </ul>	Response: <ul style="list-style-type: none"> <li>The Transaction Working Group made a recommendation to the Steering Committee concerning this issue but received no response. Right now the lowest profiling cap in the province is 150 kW, which is the same as the cut-off point for large and small micro-generation as per the MG Regulation.</li> </ul>

Reference to the AUC Rule 021, Settlement System Code, Section/Number	Stakeholder Comment	AUC Response
	<p>Consequently, Direct Energy is proposing that 3.5 should say:</p> <p>1) If the wire owner complies with the request of a micro-generation customer to install a bi-directional interval meter or if the wire owner installs an interval meter because the customer's load is greater than the WSP's profiling cap, the customer's micro-generation is deemed to be large micro-generation.</p> <p>2) If the wire owner installs a bi-directional interval meter on a small micro-generation site, for some reason other than the customer's request or because the customer's load is greater than the WSP's profiling cap, it is deemed to be small micro-generation and is excluded from load settlement calculations. The MDM is responsible for GCM data provision. In addition the site consumption will be settled using cumulative consumption instead of interval data. The MDM will provide cumulative site consumption using DCM transactions instead of interval data using DIM transactions.</p>	<p>Until someone lowers their profiling cap (such as AMI project), this will not be a concern. At the TWG, there is a consensus that if the customer load data is sent in DIM format, then the generation data must be sent in GIM format regardless the generation is large or small. Also, if the customer load is sent out in DCM format, then the generation data must be sent in GCM format. Hence, no need to change the proposed rule.</p>
<p><b>4. Load Settlement Calculation</b></p>	<p>From Direct Energy:</p> <ul style="list-style-type: none"> <li>In 4.6.4 1) c. iii, my recollection is that we agreed to "For a site that switches retailers between two meter readings, each retailer will determine the energy supplied out of the site while the site was enrolled to them by prorating the energy supplied out of the site in the meter reading period in proportion to the number of days the site was enrolled to them in accordance with the MDM's published deemed time rules."</li> <li>In Table 6, the proposed change indicates that the GRS requires Electronic Transmittal, which means it must go through DropChute. My recollection is that, in the TWG meetings, it was decided that the Retailer could email the ISO the GRS (instead of using DropChute).</li> </ul>	<p>Response:</p> <ul style="list-style-type: none"> <li>Agreed with the comment. Will add the suggested change to enhance clarify.</li> <li>AESO has indicated that they will accept transaction through e-mail.</li> </ul>

Reference to the AUC Rule 021, Settlement System Code, Section/Number	Stakeholder Comment	AUC Response
	<p>From ATCO Electric:</p> <ul style="list-style-type: none"> <li>Section 4.6.4 2) is titled "Process Documents". A more descriptive title would be "Micro-generation Setup Processes".</li> </ul>	<ul style="list-style-type: none"> <li>Agreed. Will change the title to reflect the proper content in this section.</li> </ul>
<p><b>5. Dispute Resolution Process</b></p>	<ul style="list-style-type: none"> <li>Received no stakeholder comment.</li> </ul>	
<p><b>6. Functional Requirements of the Core Load Settlement Calculation</b></p>	<p>From ATCO Electric: Suggested to add 6.4.1 Required Load Settlement Reports</p> <p>1) ZPODtT = Zone load which is determined by netting the hourly energy that:</p> <ul style="list-style-type: none"> <li>enters the settlement zone at the system level through PODs, distributed generators (excluding small micro-generation), distribution interchange import points with other settlement zones, isolated community generation and extra-provincial suppliers of border customers; and</li> <li>leaves the settlement zone at the system level through distribution interchange export points with other settlement zones and transmission substations to the transmission system.</li> </ul>	<p>Response:</p> <ul style="list-style-type: none"> <li>Agreed.</li> </ul>

Reference to the AUC Rule 021, Settlement System Code, Section/Number	Stakeholder Comment	AUC Response
	<p>Zone load for a settlement zone is intended to be the total of:</p> <ul style="list-style-type: none"> <li>• the hourly energy consumed by all sites within the settlement zone; and</li> <li>• the hourly distribution energy loss incurred within the settlement zone to serve the sites within the settlement zone; and</li> <li>• the hourly distribution energy loss incurred within the settlement zone to serve sites in other settlement zones through distribution interchange export points; and</li> <li>• the hourly distribution energy loss incurred or saved to serve distributed generators;</li> <li>• less small micro-generation.</li> </ul>	<ul style="list-style-type: none"> <li>• Agreed</li> </ul>
<p><b>11. Performance Standards for Meter Data Managers Operating in the Province of Alberta</b></p>	<ul style="list-style-type: none"> <li>• Received no stakeholder comment</li> </ul>	
<p><b>Table 6 - Business Process Flows and Transaction Sets Required for Load Settlement</b></p>	<ul style="list-style-type: none"> <li>• Received no stakeholder comment</li> </ul>	

Reference to the AUC Rule 021, Settlement System Code, Section/Number	Stakeholder Comment	AUC Response																																																								
<b>Table 51 – Transaction Status Codes</b>	<p>From Direct Energy:</p> <ul style="list-style-type: none"> <li>In Table 51, Status Code 0504 is not required as the GCM will only report kWh (and not kW)</li> </ul> <p>From ATCO Electric:</p> <ul style="list-style-type: none"> <li>For Status Code “0013” the Applicable Transaction should be “GCM” instead of “GC”.</li> </ul> <p>From AESO:</p> <table border="1" data-bbox="420 730 1365 1396"> <thead> <tr> <th colspan="7">Newly Proposed Status Codes</th> </tr> <tr> <th>Status Code</th> <th>Description</th> <th>Applicable Transaction</th> <th>Transaction w/o Status</th> <th>Section Causing Error</th> <th>Field Causing Error</th> <th>Comments</th> </tr> </thead> <tbody> <tr> <td>0005</td> <td>Invalid Retailer ID</td> <td></td> <td>GRN</td> <td></td> <td>Retailer ID</td> <td>Existing status code, new Applicable Transaction</td> </tr> <tr> <td>0011</td> <td>Invalid wire services provider ID</td> <td></td> <td>GRN</td> <td></td> <td>Wire Services Provider ID</td> <td>Existing status code, new Applicable Transaction</td> </tr> <tr> <td>0013</td> <td>Invalid Site ID</td> <td></td> <td>GRS</td> <td></td> <td>Site ID</td> <td>Existing status code, new Applicable Transaction</td> </tr> <tr> <td>0020</td> <td>Invalid Socket ID</td> <td>GIM</td> <td></td> <td></td> <td>Socket ID</td> <td>Existing status code, new Applicable Transaction</td> </tr> <tr> <td>0020</td> <td>Invalid Socket ID</td> <td></td> <td>GRN</td> <td></td> <td>Socket ID</td> <td>Existing status code, new Applicable Transaction</td> </tr> <tr> <td>0021</td> <td>Transaction Status Code must be blank</td> <td>GCM</td> <td></td> <td></td> <td>Transaction Status Code</td> <td>Existing status code, new Applicable Transaction</td> </tr> </tbody> </table>	Newly Proposed Status Codes							Status Code	Description	Applicable Transaction	Transaction w/o Status	Section Causing Error	Field Causing Error	Comments	0005	Invalid Retailer ID		GRN		Retailer ID	Existing status code, new Applicable Transaction	0011	Invalid wire services provider ID		GRN		Wire Services Provider ID	Existing status code, new Applicable Transaction	0013	Invalid Site ID		GRS		Site ID	Existing status code, new Applicable Transaction	0020	Invalid Socket ID	GIM			Socket ID	Existing status code, new Applicable Transaction	0020	Invalid Socket ID		GRN		Socket ID	Existing status code, new Applicable Transaction	0021	Transaction Status Code must be blank	GCM			Transaction Status Code	Existing status code, new Applicable Transaction	<p>Response:</p> <ul style="list-style-type: none"> <li>Status Code 0504 has already removed.</li> <li>Agreed.</li> <li>Agreed.</li> </ul>
Newly Proposed Status Codes																																																										
Status Code	Description	Applicable Transaction	Transaction w/o Status	Section Causing Error	Field Causing Error	Comments																																																				
0005	Invalid Retailer ID		GRN		Retailer ID	Existing status code, new Applicable Transaction																																																				
0011	Invalid wire services provider ID		GRN		Wire Services Provider ID	Existing status code, new Applicable Transaction																																																				
0013	Invalid Site ID		GRS		Site ID	Existing status code, new Applicable Transaction																																																				
0020	Invalid Socket ID	GIM			Socket ID	Existing status code, new Applicable Transaction																																																				
0020	Invalid Socket ID		GRN		Socket ID	Existing status code, new Applicable Transaction																																																				
0021	Transaction Status Code must be blank	GCM			Transaction Status Code	Existing status code, new Applicable Transaction																																																				

Reference to the AUC Rule 021, Settlement System Code, Section/Number	Stakeholder Comment					AUC Response
	0021	Transaction Status Code must be blank	GIM	Transaction Status Code	Existing status code, new Applicable Transaction	
	0024	Invalid number of fields in the transaction	GIM		Existing status code, new Applicable Transaction	
	0024	Invalid number of fields in the transaction	GCM		Existing status code, new Applicable Transaction	
	0024	Invalid number of fields in the transaction		GRN	Existing status code, new Applicable Transaction	
	0024	Invalid number of fields in the transaction		GRS	Existing status code, new Applicable Transaction	
	0026	Invalid business function ID	GCM	Business Function ID	Existing status code, new Applicable Transaction	
	0026	Invalid business function ID	GIM	Business Function ID	Existing status code, new Applicable Transaction	
	0026	Invalid business function ID		GRN	Existing status code, new Applicable Transaction	
	0203	From invalid – format, length, missing		GRS	From	New Status code proposed
	0204	To invalid – format, length, missing		GRS	To	New Status code proposed
	0501	Meter Number invalid – format, length	GCM	Meter Number	Existing status code, new Applicable Transaction	
	0553	kWh invalid – format, length	GCM	kWh	Existing status code, new Applicable Transaction	

Reference to the AUC Rule 021, Settlement System Code, Section/Number	Stakeholder Comment					AUC Response
	0553	kWh invalid – format, length	GRS	kWh	Existing status code, new Applicable Transaction	
	0561	Demand (kW) Status invalid – format, length, missing	GIM	Demand (kW) Status	Existing status code, new Applicable Transaction	
	0570	Energy (kWh) Status invalid – format, length, missing	GCM	Energy (kWh) Status	New Status code proposed	
	0570	Energy (kWh) Status invalid – format, length, missing	GIM	Energy (kWh) Status	New Status code proposed	
	0571	Invalid Asset ID – format, length, missing	GIM	Asset ID	New Status code proposed	
	0571	Invalid Asset ID – format, length, missing	GRN	Asset ID	New Status code proposed	
	0572	Invalid Micro-generator indicator	GRN	Micro-generator Indicator	New Status code proposed	
	0573	Date Time Effective invalid – format, length, missing	GRN	Date Time Effective	New Status code proposed	
	0574	Rate – format, length, missing	GRS	Rate	New Status code proposed	
	0575	Total – format, length, missing	GRS	Total	New Status code proposed	

Reference to the AUC Rule 021, Settlement System Code, Section/Number	Stakeholder Comment	AUC Response
<b>Part 2: Proposed Transactions</b>		
Micro-generation Interval Meter Readings to Retailers (GIM)	<ul style="list-style-type: none"> <li>Received no stakeholder comment</li> </ul>	
Micro-generation Cumulative Meter Consumption to Retailers (GCM)	<ul style="list-style-type: none"> <li>Received no stakeholder comment</li> </ul>	
Micro-generation Retailer Notification (GRN)	<ul style="list-style-type: none"> <li>Received no stakeholder comment</li> </ul>	

Reference to the AUC Rule 021, Settlement System Code, Section/Number	Stakeholder Comment	AUC Response
<b>Micro-generation Retailer Summary (GRS)</b>	<p>From Direct Energy:</p> <ul style="list-style-type: none"> <li>In 9.6.6.3 a) 5), my recollection is that we agreed to " Where a meter read period spans the calendar month boundary, the Retailer will pro-rate the energy volume based on number of days within the billing month period using the MDM's published deemed time rules".</li> </ul>	<p>Response:</p> <ul style="list-style-type: none"> <li>Agreed with the comment. Will add the suggested change to enhance clarify.</li> </ul>
<b>Site ID Catalogue (SID)</b>	<p>From Direct Energy:</p> <p>In Table 14, we agreed to that a "Y" in Sequence 34 would indicate that the micro-generator has been approved (whether or not they were commissioned yet).</p>	<p>Response:</p> <ul style="list-style-type: none"> <li>Section 4.6.4 1) a iv used the term "de-commissioned". Hence, for consistency purpose, will use the term commissioned to replaced approved in section 4.6.4 1) a v. Will continue to use the terms commissioned and de-commissioned in Table 14.</li> </ul>