



Via Federal Express Courier

February 25, 2016

Ahron J. Walter
Chief Financial Officer
Appareo Systems, LLC
1810 NDSU Research Circle N,
Fargo, ND 58102

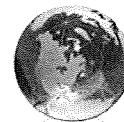
Subject: Certification of Iridium 9602 Chip Set Integration into Appareo Systems, LLC GW03 (Garrison) Daughterboard (the "Product") (the "Chip Set Certification")

Dear Mr. Walter:

Reference is made to that certain *Iridium Component Agreement* between Iridium Satellite LLC ("Iridium") and Appareo Systems, LLC ("Appareo") dated as of August 29, 2014 (as amended, the "Agreement") and Schedule 1 more fully detailed under Exhibit A to the Agreement dated as of September 16, 2014 (as amended, "Schedule 1").

Pursuant to Section 4.5 of the Agreement and Section IV of Schedule 1, Iridium is pleased to certify the version of the Product utilizing Iridium Software release version TA15002 (the "Approved Product") as provided to Iridium on February 19, 2016 (the "Certification Date"). This Product was certified (i) in accordance with the Iridium Chip-Set Certification process in effect as of the Certification Date and (ii) in reliance upon the test results specified in that certain *Appareo GW03 (Garrison) Iridium Validation Test Report* last revised as of the Certification Date, all subject to the following requirements and conditions:

- All Approved Products made by or for Appareo must at all times continue to be manufactured, sold and distributed in accordance with the terms of the Agreement and Schedule 1, and each such Product must be capable of complying with the certification criteria set forth in Sections IV.A. ("Iridium Design Validation Testing Certification" or "DVT Certification") and Section IV.B. ("Iridium Solution Certification" or "ISC") of Schedule 1.
- Iridium Chip-Set Certification process update requirements:
 - Appareo shall promptly notify Iridium of hardware ("HW") changes to the Iridium SBD Transceiver area of the Product's printed circuit board by issuing a written Production Change Order to Iridium. Upon receiving and reviewing such Production Change Order, Iridium may, at its own discretion, require that the modified Product be re-tested for continued DVT Certification and ISC compliance post HW update.





- Upon receipt of critical Iridium Software (“SW”) and/or firmware (“FW”) release updates to the Product memorialized in written Product Change Order(s) from Iridium, Appareo shall re-test the resultant modified Product according to the Iridium approved DVT Certification method as was presented to Iridium as part of this Chip Set Certification process. Appareo shall notify Iridium within the time specified by the Product Change Order if there are any defects found in the performance of the SW and/or FW. After resolution of identified defects by Iridium, Appareo shall start to manufacture the newly modified Products using the new SW/FW release, and if feasible and commercially reasonable, offer updates to the Products deployed in field service.
- Appareo shall continue to manufacture the Approved Product using the Iridium approved Appareo manufacturing and quality plans. If a major change is required in these approved manufacturing processes, a written Product Change Order shall be provided to Iridium for review and approval.

This Iridium Chip Set Certification letter shall not be effective or binding on Iridium until such time as Appareo delivers a fully executed copy to Iridium. Kindly signify Appareo’s agreement to the foregoing by signing and dating this letter and returning it to Iridium via email to Jason Swider, Contracts Manager (Jason.Swider@Iridium.com) or by facsimile transmission (number: (703) 287-7510).

Please feel free to contact me if you have any questions.

Sincerely,

IRIDIUM SATELLITE LLC

By: Hermon Pon
Its: Vice President, Technology Development and Network Engineering

**ACCEPTED AND AGREED:
Appareo Systems LLC**

By: Ahron J. Walter
Its: Chief Financial Officer
Date: 2/26/16

