

Quotation No. 57 / 20161103**1. Preamble**

The offer is valid for Lithuanian Hydrometeorological Service under the Ministry of Environment (LHMS), Vilnius, Lithuania, as a bid for **the upgrade of IMS AWOS software at Vilnius, Kaunas and Palanga airports with accordance to ICAO Annex 3 and requirements as per the Technical Specification.**

The prices are quoted in Euro (EUR). The offer is valid three months from the date of issue.

2. Subject

Subject of the quotation is the upgrade of IMS AWOS software at Vilnius, Kaunas and Palanga airports.

Description	QTY	Total price
Upgrade of IMS AWOS software at Vilnius, Kaunas and Palanga airports (includes development, remote installation, updated documentation and 2 years warranty period on installed updates)	1	20 000,- EUR
Total price		20 000,- EUR

3. Payment terms and delivery time

The purchase price shall be transferred to the MicroStep-MIS in one instalment within 30 days after receiving the purchase order.

Payments are expected to MicroStep-MIS account as follows:

Bank: Slovenska sporitelna a.s., 832 37 Bratislava, Tomasikova 48, Slovak Republic
Account: 5023382534/0900 IBAN SK1209000000005023382534
SWIFT-BIC: GIBASKBX

Customer pays for all Taxes and Duties charged in Lithuania.

MicroStep-MIS delivers the products offered here within 5 months since purchase order or contract signed.

4. Technical Specification

4.1 Software updates shall conform to the valid Amendment 76 and upcoming Amendment 77 of ICAO Annex 3.

4.2 The averaging period for runway visual range values shall be 10 minutes for METAR and SPECI, except that when the 10-minute period immediately preceding the observation includes a marked discontinuity in runway visual range values, only those values occurring after the discontinuity shall be used for obtaining mean values.

Note: A marked discontinuity occurs when there is an abrupt and sustained change in runway visual range, lasting at least 2 minutes, which reaches or passes through the values 800, 550, 300 and 175 m.

4.3 Variations of 1-minute runway visual range values from the mean value during the 10-minute period shall not be reported and shall not be used as criteria for automatic SPECI reports.

4.4 Present weather code IC shall not be reported in METAR and SPECI as specified in ICAO Annex 3, Appendix 3, Table A3-1 and Table A3-2. Internal coding quality control shall be supplemented accordingly.

4.5 In automated local routine reports, local special reports, METAR and SPECI when showers (SH) cannot be determined automatically based upon a method that takes account of the presence of convective cloud, the precipitation should not be characterized by SH. In a case when present weather sensor reports a code of showers, in automated local routine reports, local special reports, METAR and SPECI unidentified precipitation code (UP) should be reported instead.

4.6 Old sensor systems from Impulsphysik at Palanga and Vilnius aerodromes are no longer used and communication lines from them are disconnected. Therefore at Palanga and Vilnius IMS user interface and all appropriate display or configuration templates where data from Impulsphysik sensors are provided and displayed shall be corrected in order not to provide and display this data. Also backup of sensors shall be reconfigured not to use Impulsphysik sensors.

4.7 Data to the data fields "Prevailing visibility", "Minimum visibility" and "Direction" of the METAR/SPECI editing template shall be uploaded automatically when the template is opened. Assessing of prevailing visibility, minimum visibility and direction shall be done automatically according to standards and recommendations provided in ICAO documents: Annex 3, Doc 8896 and Doc 9837. It shall be possible for the Observer to edit values in these data fields.

4.8 Internal quality check function shall be complemented by quality check of TREND (landing) forecast (syntax as minimum).

4.9 New local report (MET REPORT/SPECIAL) shall be generated automatically if corrected METAR/SPECI report is issued.

- 4.10 When only local SPECIAL report is issued, code word AUTO shall not be included in the report.
- 4.11 When only local SPECIAL report is issued, TREND (landing) forecast from the last issued METAR/SPECI shall be added to SPECIAL report.
- 4.12 There shall be a possibility to edit alarm description in the alarms configuration.
- 4.13 IMS function to show messages from Message Browser Archive shall be improved in such a way that loading of full message text shall be always possible.
- 4.14 IMS client computer function to print messages from Message Browser Archive shall be improved: state-of-the-art printer drivers shall be enabled to use.
- 4.15 Updated IMS technical documents shall be provided.
- 4.16 Warranty period of updates shall be 2 years from the date when updates are installed.

Done in Bratislava on November 03rd, 2016

For and on behalf of MicroStep-MIS, spol. s r.o.



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Ing. Jozef Omelka
Managing Director / Statutory representative

