CERTIFICATE OF COMPLIANCE

Certificate N°:	2649	**Issue date:**	November 3rd, 2021
Applicant:	Mikroelektronika A.D.	**Issued to:**	Mikroelektronika A.D.
	Blagoja Parovica bb		Blagoja Parovica bb
	78000-Banja Luka Bosnia and Herzegovina		78000-Banja Luka Bosnia and Herzegovina

The certified product listed below is eligible to bear the DLMS UA Mark shown

PRODUCT

Model:	MEX6xx
Type:	MET600
Firmware ID:	Id=2.0.02..982310, Id=6.51.028.[(5.4.[(5.5.2)_(1.0.0)])_(7.14.0)].982310, Id=5.0.16.0.[5.0.13.0].982249/C
Mgmt LDN (SAP = 1):	"4D454C3130323037313130383037383 7" (MEL1020711080787)
Manufacturer:	Mikroelektronika
Media Identifiers:	Abstract, Electricity

CONFORMANCE SPECIFICATION

COSEM IF Classes and OBIS Codes:	Blue Book Ed. 14
DLMS/COSEM Protocol:	Green Book Ed. 10

TEST TOOL & SPEC.

Test Specification:	Yellow Book Ed. 8
Test Tool Version:	CTT 4.0
Test Tool Licensee:	Mikroelektronika A.D.
COSEM Object definition file:	Object_defs_v4.0_rel1.0_210407.dat
Communication profiles:	HDLC, TCP

This Certificate of Compliance is based on an evaluation of a test report based on a single test executed on one specimen of the product, as identified by the Product data above. This Certificate is issued on the condition that the holder complies and will continue to comply with the requirement and procedures issued by DLMS UA..
The authenticity of the test report has been verified by the DLMS User Association and the equipment identified above is listed on its web site at: www.dlms.com.

CERTIFICATE OF COMPLIANCE

Test Report N°: 2649

Test File: MET600 Optic HDLC tested with CTT 4.0, release 102

****
* Identification *
****

```
Identification = {
  Manufacturer = "\Mikroelektronika"
  FLAGid = "\MEL"
  Type = "\MET600"
  SerialNr = "11080787"
  Comment = "\comment"
  IUTIsModule = FALSE
  Applicant = "\Mikroelektronika"
}
```

****
* Summary *
****

TEST SUITE	TOTAL	PASSED	FAILED
HDLC	35	35	0
APPL	40	40	0
SecMsg	6	6	0
COSEM	1894	1894	0
DP	0	0	0
SymKey	13	13	0
SecPol	4	4	0

Communication profile: HDLC

Logical device(s) found: SAP = 1 is "4D454C3130323037313130383037383 7" (MEL1020711080787)

Active firmware(s): Id=2.0.02.[803F5E00].982310
S=27CE447104FF1B3FC6E313BCD3235264AA7494749A06013A5848709910A8F513
Id=6.51.031.[(5.4.[(5.5.2)_(1.0.0)])_(7.14.0)].982310
S=9339A9589FFAD011102B5957A6B5279547E6CF10E0F624374035CD3DDF6F18E9
Id=5.0.16.0.[5.0.13.0].982249/C
S=E135D85E4ABBFBC8CA975E84A0320D3FF398FAE9ED8B2FF7FD703F654B023E53

Application context names: LONG_NAMES, LONG_NAMES_WITH_CIPHERING

Authentication mechanisms: NO_SECURITY, HIGH_LEVEL_SECURITY_GMAC

ACSE and xDLMS features: ACTION, GET, MULTIPLE_REFERENCES, RLRQ_RLRE
SERVICE_SPECIFIC_BLOCK_TRANSFER, SET,
PROFILE_BUFFER_SELECTIVE_ACCESS_BY_RANGE
PROFILE_BUFFER_SELECTIVE_ACCESS_BY_ENTRY

Security features: SERVICE_SPECIFIC_GLO_CIPHERING, SUITE_0
SECURITY_ACTIVATE, KEY_TRANSFER

COSEM classes tested: 1,3,4,5,6,7(1),8,9,11,15(1),17,18,19(1),20, 22,23(1),27(1),28(2),29(2)
40,41,42,43,44,47(1),48,64,70,71,72,74,90(1),91(1),92(1)

CERTIFICATE OF COMPLIANCE

Test Report N°: 2649

Test File MET600 Modem TCP tested with CTT 4.0, release 102

****
* Identification *
****

```
Identification = {
  Manufacturer = "\Mikroelektronika"
  FLAGid = "\MEL"
  Type = "\MET600"
  SerialNr = "11080787"
  Comment = "\comment"
  IUTIsModule = FALSE
  Applicant = "\Mikroelektronika"
}
```

****
* Summary *
****

TEST SUITE	TOTAL	PASSED	FAILED
APPL	40	40	0
SecMsg	6	6	0
COSEM	1894	1894	0
DP	0	0	0
SymKey	13	13	0
SecPol	4	4	0

Communication profile: TCP

Logical device(s) found: SAP = 1 is "4D454C313032303731313038303738 37" (MEL1020711080787)

Active firmware(s): Id=2.0.02.[803F5E00].982310
S=27CE447104FF1B3FC6E313BCD3235264AA7494749A06013A5848709910A8F513
Id=6.51.031.[(5.4.[(5.5.2)_(1.0.0)])_(7.14.0)].982310
S=9339A9589FFAD011102B5957A6B5279547E6CF10E0F624374035CD3DDF6F18E9
Id=5.0.16.0.[5.0.13.0].982249/C
S=E135D85E4ABBFBC8CA975E84A0320D3FF398FAE9ED8B2FF7FD703F654B023E53

Application context names: LONG_NAMES, LONG_NAMES_WITH_CIPHERING

Authentication mechanisms: NO_SECURITY, HIGH_LEVEL_SECURITY_GMAC

ACSE and xDLMS features: ACTION, GET, MULTIPLE_REFERENCES, RLRQ_RLRE
SERVICE_SPECIFIC_BLOCK_TRANSFER, SET,
PROFILE_BUFFER_SELECTIVE_ACCESS_BY_RANGE
PROFILE_BUFFER_SELECTIVE_ACCESS_BY_ENTRY

Security features: SERVICE_SPECIFIC_GLO_CIPHERING, SUITE_0
SECURITY_ACTIVATE, KEY_TRANSFER

COSEM classes tested: 1,3,4,5,6,7(1),8,9,11,15(1),17,18,19(1),20, 22,23(1),27(1),28(2),29(2)
40,41,42,43,44,47(1),48,64,70,71,72,74,90(1),91(1),92(1)

POTVRDA O USAGLAŠENOSTI

Br. sertifikata: 2649
Podnosilac zahteva: Mikroelektronika AD
Blagoja Parovića bb
78000 Banja Luka
Bosna i Hercegovina

Datum izdavanja: 3. novembar 2021.
Izdato za: Mikroelektronika AD
Blagoja Parovića bb
78000 Banja Luka
Bosna i Hercegovina

Dole navedeni sertifikovani proizvod ispunjava zahteve da nosi sledeću oznaku DLMS UA:

PROIZVOD

Model:	MEX6xx
Tip:	MET600
Firmver ID:	Id=2.0.02..982310, Id=6.51.028. [(5.4. [(5.5.2)_(1.0.0)])_(7.14.0)].982310, Id=5.0.16.0 [5.0.13.0].982249/C
Mgmt LDN (SAP=1):	„4D454C313032303731212038303738 37“ (MEL1020711080787)
Proizvođač:	Mikroelektronika
Medijski identifikatori:	Abstract, Electricity

SPECIFIKACIJA USAGLAŠENOSTI

COSEM IF klase i OBIS kodovi:	Blue Book Ed. 14
DLMS/COSEM protokol:	Green Book Ed. 10

ALAT ZA ISPITIVANJE I SPECIFIKACIJA

Specifikacija ispitivanja:	Yellow Book Ed. 8
Verzija alata za ispitivanje:	CTT 4.0
Nosilac dozvole za alat za ispitivanje:	Mikroelektronika AD
COSEM datoteka za definiciju objekta COSEM:	Object_defs_v4.0_rel1.0_210407.dat
Profili komunikacije:	HDLC, TCP

Ova potvrda o usaglašenosti zasniva se na evaluaciji izveštaja ispitivanja zasnovanog na jednom ispitivanju sprovedenom na jednom uzorku proizvoda, kako je gore naznačeno u podacima o proizvodu. Ova potvrda se izdaje pod uslovom da nosilac iste postupa i nastavi da postupa u skladu sa zahtevima i procedurama koje izda DLMS UA.
Autentičnost izveštaja ispitivanja potvrdila je DLMS User Association, a gore navedena oprema navedena je na njihovom veb-sajtu: www.dlms.com.

SUDSKI PREVODILAC ZA ENGLESKI JEZIK * BEOGRAD *
Maja Popović

POTVRDA O USAGLAŠENOSTI

Izveštaj ispitivanja br. 2649

Test File: MET600 Optic HDLC tested with CTT 4.0, release 102

```
*********************
* Identification *
*********************
Identification = {
  Manufacturer = "\Mikroelektronika"
  FLAGid = "\MEL"
  Type = "\MET600"
  SerialNr = "11080787"
  Comment = "\comment"
  IUTIsModule = FALSE
  Applicant = "\Mikroelektronika"
}

****************
* Summary *
****************
```

TEST SUITE	TOTAL	PASSED	FAILED
HDLC	35	35	0
APPL	40	40	0
SecMsg	6	6	0
COSEM	1894	1894	0
DP	0	0	0
SymKey	13	13	0
SecPol	4	4	0

Communication profile: HDLC

Logical device(s) found: SAP = 1 is "4D454C313032303731313038303738 37" (MEL1020711080787)

Active firmware(s): Id=2.0.02.[803F5E00].982310
S=27CE447104FF1B3FC6E313BCD3235264AA7494749A06013A5848709910A8F513
Id=6.51.031.[(5.4.[(5.5.2)_(1.0.0)])_(7.14.0)].982310
S=9339A9589FFAD011102B5957A6B5279547E6CF10E0F624374035CD3DDF6F18E9
Id=5.0.16.0.[5.0.13.0].982249/C
S=E135D85E4ABBFBC8CA975E84A0320D3FF398FAE9ED8B2FF7FD703F654B023E5

Application context names: LONG_NAMES, LONG_NAMES_WITH_CIPHERING

Authentication mechanisms: NO_SECURITY, HIGH_LEVEL_SECURITY_GMAC

ACSE and xDLMS features: ACTION, GET, MULTIPLE_REFERENCES, RLRQ_RLRE
SERVICE_SPECIFIC_BLOCK_TRANSFER, SET,
PROFILE_BUFFER_SELECTIVE_ACCESS_BY_RANGE
PROFILE_BUFFER_SELECTIVE_ACCESS_BY_ENTRY

Security features: SERVICE_SPECIFIC_GLO_CIPHERING, SUITE_0
SECURITY_ACTIVATE, KEY_TRANSFER

COSEM classes tested: 1,3,4,5,6,7(1),8,9,11,15(1),17,18,19(1),20, 22,23(1),27(1),28(2),29(2)
40,41,42,43,44,47(1),48,64,70,71,72,74,90(1),91(1),92(1)

SUDSKI PREVODILAC ZA ENGLESKI JEZIK
Maja Popović
BEOGRAD

POTVRDA O USAGLAŠENOSTI

Izveštaj ispitivanja br. 2649

Test File MET600 Modem TCP tested with CTT 4.0, release 102

```
*****************
* Identification *
*****************
Identification = {
 Manufacturer = "\Mikroelektronika"
 FLAGid = "\MEL"
 Type = "\MET600"
 SerialNr = "11080787"
 Comment = "\comment"
 IUTIsModule = FALSE
 Applicant = "\Mikroelektronika"
}

****************
* Summary *
****************
```

TEST SUITE	TOTAL	PASSED	FAILED
APPL	40	40	0
SecMsg	6	6	0
COSEM	1894	1894	0
DP	0	0	0
SymKey	13	13	0
SecPol	4	4	0

Communication profile: TCP

Logical device(s) found: SAP = 1 is "4D454C313032303731313038303738 37" (MEL1020711080787)

Active firmware(s): Id=2.0.02.[803F5E00].982310
S=27CE447104FF1B3FC6E313BCD3235264AA7494749A06013A5848709910A8F513
Id=6.51.031.[(5.4.[(5.5.2)_(1.0.0)])_(7.14.0)].982310
S=9339A9589FFAD011102B5957A6B5279547E6CF10E0F624374035CD3DDF6F18E9
Id=5.0.16.0.[5.0.13.0].982249/C
S=E135D85E4ABBFBC8CA975E84A0320D3FF398FAE9ED8B2FF7FD703F654B023E5:

Application context names: LONG_NAMES, LONG_NAMES_WITH_CIPHERING

Authentication mechanisms: NO_SECURITY, HIGH_LEVEL_SECURITY_GMAC

ACSE and xDLMS features: ACTION, GET, MULTIPLE_REFERENCES, RLRQ_RLRE
SERVICE_SPECIFIC_BLOCK_TRANSFER, SET,
PROFILE_BUFFER_SELECTIVE_ACCESS_BY_RANGE
PROFILE_BUFFER_SELECTIVE_ACCESS_BY_ENTRY

Security features: SERVICE_SPECIFIC_GLO_CIPHERING, SUITE_0
SECURITY_ACTIVATE, KEY_TRANSFER

COSEM classes tested: 1,3,4,5,6,7(1),8,9,11,15(1),17,18,19(1),20, 22,23(1),27(1),28(2),29(2)
40,41,42,43,44,47(1),48,64,70,71,72,74,90(1),91(1),92(1)

.....kraj prevoda.....

SUDSKI PREVODILAC ZA ENGLESKI JEZIK
Maja Popović
BEOGRAD

OVERENI PREVOD SA ENGLESKOG JEZIKA

Ja, dole potpisani sudski prevodilac, postavljen rešenjem Ministarstva pravde Republike Srbije br. 740-06-968/2000-04 od 12.4.2000, ovim potvrđujem da je ovaj prevod na srpski jezik u potpunosti veran originalu dokumenta na engleskom jeziku. Moje nameštenje traje neograničeno.

U Beogradu, 27. decembra 2021.
Br. 8424/2021

SUDSKI PREVODILAC ZA ENGLESKI JEZIK
Maja Popović
BEOGRAD

Maja Popović
Sudski prevodilac za engleski jezik

CERTIFICATE OF COMPLIANCE

Certificate N°:	2649	**Issue date:**	November 3rd, 2021
Applicant:	Mikroelektronika A.D.	**Issued to:**	Mikroelektronika A.D.
	Blagoja Parovica bb		Blagoja Parovica bb
	78000-Banja Luka Bosnia and Herzegovina		78000-Banja Luka Bosnia and Herzegovina

The certified product listed below is eligible to bear the DLMS UA Mark shown

PRODUCT

Model:	MEX6xx
Type:	MET600
Firmware ID:	Id=2.0.02..982310, Id=6.51.028.[(5.4.[(5.5.2)_(1.0.0)])_(7.14.0)].982310, Id=5.0.16.0.[5.0.13.0].982249/C
Mgmt LDN (SAP = 1):	"4D454C3130323037313130383037383 7" (MEL1020711080787)
Manufacturer:	Mikroelektronika
Media Identifiers:	Abstract, Electricity

CONFORMANCE SPECIFICATION

COSEM IF Classes and OBIS Codes:	Blue Book Ed. 14
DLMS/COSEM Protocol:	Green Book Ed. 10

TEST TOOL & SPEC.

Test Specification:	Yellow Book Ed. 8
Test Tool Version:	CTT 4.0
Test Tool Licensee:	Mikroelektronika A.D.
COSEM Object definition file:	Object_defs_v4.0_rel1.0_210407.dat
Communication profiles:	HDLC, TCP

This Certificate of Compliance is based on an evaluation of a test report based on a single test executed on one specimen of the product, as identified by the Product data above. This Certificate is issued on the condition that the holder complies and will continue to comply with the requirement and procedures issued by DLMS UA..
The authenticity of the test report has been verified by the DLMS User Association and the equipment identified above is listed on its web site at: www.dlms.com.

CERTIFICATE OF COMPLIANCE

Test Report N°: 2649

Test File: MET600 Optic HDLC tested with CTT 4.0, release 102

****
* Identification *
****

```
Identification = {
  Manufacturer = "\Mikroelektronika"
  FLAGid = "\MEL"
  Type = "\MET600"
  SerialNr = "11080787"
  Comment = "\comment"
  IUTIsModule = FALSE
  Applicant = "\Mikroelektronika"
}
```

****
* Summary *
****

TEST SUITE	TOTAL	PASSED	FAILED
HDLC	35	35	0
APPL	40	40	0
SecMsg	6	6	0
COSEM	1894	1894	0
DP	0	0	0
SymKey	13	13	0
SecPol	4	4	0

Communication profile: HDLC

Logical device(s) found: SAP = 1 is "4D454C313032303731313038303738 37" (MEL1020711080787)

Active firmware(s): Id=2.0.02.[803F5E00].982310
S=27CE447104FF1B3FC6E313BCD3235264AA7494749A06013A5848709910A8F513
Id=6.51.031.[(5.4.[(5.5.2)_(1.0.0)])_(7.14.0)].982310
S=9339A9589FFAD011102B5957A6B5279547E6CF10E0F624374035CD3DDF6F18E9
Id=5.0.16.0.[5.0.13.0].982249/C
S=E135D85E4ABBFBC8CA975E84A0320D3FF398FAE9ED8B2FF7FD703F654B023E53

Application context names: LONG_NAMES, LONG_NAMES_WITH_CIPHERING

Authentication mechanisms: NO_SECURITY, HIGH_LEVEL_SECURITY_GMAC

ACSE and xDLMS features: ACTION, GET, MULTIPLE_REFERENCES, RLRQ_RLRE
SERVICE_SPECIFIC_BLOCK_TRANSFER, SET,
PROFILE_BUFFER_SELECTIVE_ACCESS_BY_RANGE
PROFILE_BUFFER_SELECTIVE_ACCESS_BY_ENTRY

Security features: SERVICE_SPECIFIC_GLO_CIPHERING, SUITE_0
SECURITY_ACTIVATE, KEY_TRANSFER

COSEM classes tested: 1,3,4,5,6,7(1),8,9,11,15(1),17,18,19(1),20, 22,23(1),27(1),28(2),29(2)
40,41,42,43,44,47(1),48,64,70,71,72,74,90(1),91(1),92(1)

CERTIFICATE OF COMPLIANCE

Test Report N°: 2649

Test File MET600 Modem TCP tested with CTT 4.0, release 102

****
* Identification *
****

```
Identification = {
  Manufacturer = "\Mikroelektronika"
  FLAGid = "\MEL"
  Type = "\MET600"
  SerialNr = "11080787"
  Comment = "\comment"
  IUTIsModule = FALSE
  Applicant = "\Mikroelektronika"
}
```

****
* Summary *
****

TEST SUITE	TOTAL	PASSED	FAILED
APPL	40	40	0
SecMsg	6	6	0
COSEM	1894	1894	0
DP	0	0	0
SymKey	13	13	0
SecPol	4	4	0

Communication profile: TCP

Logical device(s) found: SAP = 1 is "4D454C313032303731313038303738 37" (MEL1020711080787)

Active firmware(s): Id=2.0.02.[803F5E00].982310
S=27CE447104FF1B3FC6E313BCD3235264AA7494749A06013A5848709910A8F513
Id=6.51.031.[(5.4.[(5.5.2)_(1.0.0)])_(7.14.0)].982310
S=9339A9589FFAD011102B5957A6B5279547E6CF10E0F624374035CD3DDF6F18E9
Id=5.0.16.0.[5.0.13.0].982249/C
S=E135D85E4ABBFBC8CA975E84A0320D3FF398FAE9ED8B2FF7FD703F654B023E53

Application context names: LONG_NAMES, LONG_NAMES_WITH_CIPHERING

Authentication mechanisms: NO_SECURITY, HIGH_LEVEL_SECURITY_GMAC

ACSE and xDLMS features: ACTION, GET, MULTIPLE_REFERENCES, RLRQ_RLRE
SERVICE_SPECIFIC_BLOCK_TRANSFER, SET,
PROFILE_BUFFER_SELECTIVE_ACCESS_BY_RANGE
PROFILE_BUFFER_SELECTIVE_ACCESS_BY_ENTRY

Security features: SERVICE_SPECIFIC_GLO_CIPHERING, SUITE_0
SECURITY_ACTIVATE, KEY_TRANSFER

COSEM classes tested: 1,3,4,5,6,7(1),8,9,11,15(1),17,18,19(1),20, 22,23(1),27(1),28(2),29(2)
40,41,42,43,44,47(1),48,64,70,71,72,74,90(1),91(1),92(1)