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**NOTIFIED BODY EC TYPE EXAMINATION CERTIFICATE**

**In accordance with module B of Directive 2014/90/EU on
Marine Equipment**

Certificate N°**15/CN/3805-1-Rev 0****Page 1/2**

Manufacturer	Name	Yuyao Liangyi Fire-fighting Equipment Co., Ltd (PA)
	Address	A-12 Dongxi Industrial Zone, LiangNong Town, Yuyao City, Ningbo, 315430 Zhejiang Province P.R. China
European Representative	Name	Jewel Fire Group Ltd
	Address	Units A1-A3 Aldwarke Wharf Business Park, Waddington Way, Rotherham, South Yorkshire S65 3SH, United Kingdom


Concerned Equipment:

Portable fire extinguishers (Powder, Water, Foam, Wet Chemical)

Models : See page 2/2


Used standards : EN 3.7 & EN 3.8

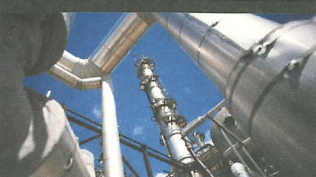
Note : The used cylinders can only be marked/engraved with 'PA' (original manufacturer's label)

The manufacturer is allowed to affix the marine CE mark  (followed by the notified body n° 'XXXX' and the year of manufacturing) to approved equipment in the conditions described in article 10 of the Directive, only if the requirements stated in module D are fully complied with.

The approval is valid until 06/12/2025

APRAGAZ, acting within the scope of its notification for the above mentioned Directive, certifies that the types of equipment defined here above are conform to the requirements of the EN 3-7&8 in force and to the Marine Equipment Directive 2014/90/EU (as amended), on base of the documentation and samples supplied for review and approbation.

Date : 07/12/2020	Name : B. NEVE, ir	Position	General Manager
Notified body identification number :	0029	Signature	
Third Party Authority :	APRAGAZ VZW / ASBL		
Third Party Authority reference :	17139P000		



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**NOTIFIED BODY EC TYPE EXAMINATION CERTIFICATE**

**In accordance with module B of Directive 2014/90/EU on
Marine Equipment**

Certificate N°**15/CN/3805-1-Rev 0****Page 2/2**

Type	Nominal charge	EN3.7 test report n°	Fire Classes	Operation temperature range	Design Pressure (PS)	Test Pressure (PT)
1PX	1kg Powder Stored Pressure ABC 40	BSI 239/7286245 P1FJ BSI 2244/8166024 PFEX1J	8A – 34B	-30°C +60°C	18 bar	30 bar
2PX	2kg Powder Stored Pressure ABC 40	BSI 239/7286245 P2FJ BSI 2244/8166024 PFEX2J	13A – 70B	-30°C +60°C	18 bar	30 bar
4PX	4kg Powder Stored Pressure ABC 40	BSI 239/7286245 P4FJ BSI 2244/8166024 PFEX4J	21A – 113B	-30°C +60°C	18 bar	30 bar
6PX	6kg Powder Stored Pressure ABC 40	BSI 239/7286245 P6FJ BSI 2244/8166024 PFEX6J	27A – 183B	-30°C +60°C	18 bar	30 bar
9PX	9kg Powder Stored Pressure ABC 40	BSI 239/7286245 P9FJ	43A - 233B	-30°C +60°C	18 bar	30 bar
9WX	9L Water Stored Pressure	BSI 239/7286245 W9FJ	21A	+5°C +60°C	18 bar	30 bar
6FX	6L Foam Stored Pressure GENEX 6E AFFF (8,3%)	BSI 285/7363688 FFEX6JSP Issue2	21A - 144B	+5°C +60°C	18 bar	30 bar
9FX	9L Foam Stored Pressure GENEX 6E AFFF (11,1%)	BSI 285/7363688 FFEX9JSP Issue 2	27A - 183B	+5°C +60°C	18 bar	30 bar
6WCX	6L Wet Chemical Stored Pressure FATSEAL AFFF (50%)	BSI 285/7363688 WCFEX6JSP Issue2	13A – 75F	+5°C +60°C	18 bar	30 bar

NOTE : The used cylinders can only be marked/engraved with 'PA', the original manufacturer's label

Date : 07/12/2020

Name : B.NEVE, ir

Position **General Manager**

Notified body identification number :

0029

Signature



Third Party Authority :

APRAGAZ VZW / ASBL

Third Party Authority reference :

17139P000

Type Examination Certificate

This is to certify that:

Jewel Fire Group Limited
Units A1-A3
Aldwarke Wharf Business Park
Waddington Way
Rotherham
South Yorkshire
S65 3SH
United Kingdom

Holds Certificate Number:

BSI/UK/3.38/670818

In respect of:

UK/3.38 - Portable Fire Extinguishing equipment for lifeboats and rescue boats.

Product Designation - 3WMX, 3 Litre Water Mist Fire Extinguisher, Fire Rating 8A, 25F.

Designated Standards: BS EN 3-7:2004 + A1:2007, BS EN 3-8:2021, BS EN 3-10:2009.

On the basis of our examination under the requirements of the Merchant Shipping (Marine Equipment) Regulations (SI 2016/1025) as amended by SI 2019/470 Schedule 2 Part 1 for Conformity Assessment Procedure Module B - Type Examination and as amended by SI 2019/1304.

For and on behalf of BSI, an Approved Body for the above Regulation (Approved Body Number 0086):



Shahm Barhom, Group Product Certification Director

First Issued: 2018-02-15

Latest Issue: 2022-11-29

Effective Date: 2022-11-29

Expiry Date: 2027-11-28



Page: 1 of 3

Type Examination Certificate

No. BSI/UK/3.38/670818

SCHEDULE OF APPROVAL

Approval Documentation that forms part of this certification:

Drawing No.	Rev./ Issue No.	Date	Title
ESYS3L6LCEX-01	A1	31/03/2020	3 litre water-mist fire extinguisher – General Assembly Drawing
PA6T-P-06	A2	06/08/2021	3 litre cylinder drawing
KX02-001T-00	A1	20/09/2018	Valve Assembly with Nylon adaptor
KX02-001T-00	A2	20/08/2020	Valve Assembly with Brass adaptor
PG11-00.00.00	1	16/12/2011	3 litre pulsator set
CSFH3-00.00.00/W2	1	18/10/2011	Nozzle
D600-02	A1	04/10/2019	Pressure Gauge
Supporting Documentation			
Technical File	TF-020 Revision 7 dated 20/09/2022. BSI Reference – 3551637.		

The models listed above were assessed against the requirements of the Merchant Shipping (Marine Equipment) Regulation SI 2016/1025, as amended by SI 2019/470, SI 2019/1304 & MSN 1874 (M+F) amendment 6.

Certificate Amendment Record and BSI internal Review relating to this Certificate

Issue date	Comments	BSI Review No.
February 2018	First issue.	0086:18:8633532
October 2020	Updated to incorporate Regulation (EU) 2020/1170, minor modification to pressure gauge & valve assembly & company address change.	0086:20:3270324
November 2022	Updated to cite UK SI 2016/1025, as amended by SI 2019/470 & SI 2019/1304, Updated certificate prefix and removed EU Directive reference.	0086:22:3551722

First Issued: 2018-02-15

Latest Issue: 2022-11-29

Effective Date: 2022-11-29

Expiry Date: 2027-11-28

Page: 2 of 3

This certificate has been issued by and remains the property of BSI Assurance UK Ltd, Kitemark Court, Davy Avenue, Knowlhill, Milton Keynes MK5 8PP, United Kingdom and should be returned immediately upon request.
To check its validity telephone +44 (0) 345 080 9000. An electronic certificate can be authenticated [online](#).

BSI Assurance UK Limited, registered in England under number 7805321 at 389 Chiswick High Road, London W4 4AL, UK.
A member of BSI Group of Companies.

Type Examination Certificate

No. BSI/UK/3.38/670818

SCHEDULE OF APPROVAL

Conditions of Certification

- i) This certificate remains valid unless cancelled or revoked, provided the conditions listed below are complied with and the equipment remains satisfactory in service.
- ii) The equipment detailed on page 1 on this certificate is to be manufactured in accordance with Conformity to Type Based on Quality Assurance of the Production Process (Module D) of the Merchant Shipping (Marine Equipment) Regulation SI 2016/1025, as amended by SI 2019/470 & SI 2019/1304.
- iii) SOLAS 74 Reg. III/4, SOLAS 74 Reg. X/3, SOLAS 74 Reg. III/34, IMO Res.A.951(23), IMO Res.MSC.36(63)-(1994 HSC Code) 8, IMO Res.MSC.48(66)-(LSA Code) I, IMO Res.MSC.48(66)-(LSA Code) IV, IMO Res.MSC.48(66)-(LSA Code) V, IMO Res.MSC.97(73)-(2000 HSC Code) 8 requirements, as applicable.
- iv) The certificate will not be valid if the manufacturer makes any changes or modifications to the approved equipment, which have not been notified to, and agreed with the approved body named on this certificate.
- v) Should the specified regulations or standards be amended during the validity of this certificate, the products are to be re-approved prior to them being placed on board vessels to which the amended regulations or standards apply.
- vi) Production tests are to be conducted in accordance with the applicable requirements of the IMO Resolutions and applicable standards and be recorded by the manufacturer in accordance with the approved Conformity to Type Based on Quality Assurance of the Production Process (Module D) of the Marine Equipment Directive & the Merchant Shipping (Marine Equipment) Regulation SI 2016/1025, as amended by SI 2019/470 & SI 2019/1304.
- vii) Each item, batch or lot of the equipment is to have the "Mark of Conformity" affixed and be issued with a "Declaration of Conformity".
- viii) Detailed User instructions are to be provided with each product.

First Issued: 2018-02-15

Latest Issue: 2022-11-29

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A member of BSI Group of Companies.

Type Examination Certificate

This is to certify that:

Jewel Fire Group Limited
Units A1-A3
Aldwarke Wharf Business Park
Waddington Way
Rotherham
South Yorkshire
S65 3SH
United Kingdom

Holds Certificate Number:

BSI/UK/3.38/658602

In respect of:

UK/3.38 - Portable Fire Extinguishing equipment for lifeboats and rescue boats.

Product Designation - 2CX, 2kg Carbon Dioxide Fire Extinguisher, Fire Rating 34B.

Designated Standards: BS EN 3-7:2004 + A1:2007, BS EN 3-9:2006 + AC:2007, BS EN 3-10:2009.

On the basis of our examination under the requirements of the Merchant Shipping (Marine Equipment) Regulations (SI 2016/1025) as amended by SI 2019/470 Schedule 2 Part 1 for Conformity Assessment Procedure Module B - Type Examination and as amended by SI 2019/1304.

For and on behalf of BSI, an Approved Body for the above Regulation (Approved Body Number 0086):



Shahm Barhom, Group Product Certification Director

First Issued: 2018-02-15

Latest Issue: 2022-11-29

Effective Date: 2022-11-29

Expiry Date: 2027-11-28

Page: 1 of 3



Type Examination Certificate

No. BSI/UK/3.38/658602

SCHEDULE OF APPROVAL

Approval Documentation that forms part of this certification:

Drawing No.	Rev./ Issue No.	Date	Title
RMCD2J-AY	0	24/07/2017	2kg CO2 Fire Extinguisher General Assembly drawing
3-0359-1629	F	19/07/2016	2kg CO2 Aluminium Cylinder
02-234-757	C	14/03/2022	Valve Assembly – Type 2345X
1223 1001	A0	17/02/2014	Dip Tube (370mm)1223 1001
Supporting Documentation			
Technical File	TF-010 Revision 7 dated 16/09/2022. BSI Reference – 3551637.		

The models listed above were assessed against the requirements of the Merchant Shipping (Marine Equipment) Regulation SI 2016/1025, as amended by SI 2019/470, SI 2019/1304 & MSN 1874 (M+F) amendment 6.

Certificate Amendment Record and BSI internal Review relating to this Certificate

Issue date	Comments	BSI Review No.
February 2018	First issue.	0086:18:8574553
October 2020	Updated to incorporate Regulation (EU) 2020/1170 & Company Address Change.	0086:20:3270323
November 2022	Updated to cite UK SI 2016/1025, as amended by SI 2019/470 & SI 2019/1304, Updated certificate prefix and removed EU Directive reference.	0086:22:3551720

First Issued: 2018-02-15

Latest Issue: 2022-11-29

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Page: 2 of 3

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A member of BSI Group of Companies.

Type Examination Certificate

No. BSI/UK/3.38/658602

SCHEDULE OF APPROVAL

Conditions of Certification

- i) This certificate remains valid unless cancelled or revoked, provided the conditions listed below are complied with and the equipment remains satisfactory in service.
- ii) The equipment detailed on page 1 on this certificate is to be manufactured in accordance with Conformity to Type Based on Quality Assurance of the Production Process (Module D) of the Merchant Shipping (Marine Equipment) Regulation SI 2016/1025, as amended by SI 2019/470 & SI 2019/1304.
- iii) SOLAS 74 Reg. III/4, SOLAS 74 Reg. X/3, SOLAS 74 Reg. III/34, IMO Res.A.951(23), IMO Res.MSC.36(63)-(1994 HSC Code) 8, IMO Res.MSC.48(66)-(LSA Code) I, IMO Res.MSC.48(66)-(LSA Code) IV, IMO Res.MSC.48(66)-(LSA Code) V, IMO Res.MSC.97(73)-(2000 HSC Code) 8 requirements, as applicable.
- iv) The certificate will not be valid if the manufacturer makes any changes or modifications to the approved equipment, which have not been notified to, and agreed with the approved body named on this certificate.
- v) Should the specified regulations or standards be amended during the validity of this certificate, the products are to be re-approved prior to them being placed on board vessels to which the amended regulations or standards apply.
- vi) Production tests are to be conducted in accordance with the applicable requirements of the IMO Resolutions and applicable standards and be recorded by the manufacturer in accordance with the approved Conformity to Type Based on Quality Assurance of the Production Process (Module D) of the Marine Equipment Directive & the Merchant Shipping (Marine Equipment) Regulation SI 2016/1025, as amended by SI 2019/470 & SI 2019/1304.
- vii) Each item, batch or lot of the equipment is to have the "Mark of Conformity" affixed and be issued with a "Declaration of Conformity".
- viii) Detailed User instructions are to be provided with each product.

First Issued: 2018-02-15

Latest Issue: 2022-11-29

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Page: 3 of 3

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BSI Assurance UK Limited, registered in England under number 7805321 at 389 Chiswick High Road, London W4 4AL, UK.
A member of BSI Group of Companies.

Type Examination Certificate

This is to certify that:

Jewel Fire Group Limited
Units A1-A3
Aldwarke Wharf Business Park
Waddington Way
Rotherham
South Yorkshire
S65 3SH
United Kingdom

Holds Certificate Number:

BSI/UK/3.2/665640

In respect of:

UK/3.2 - Portable Fire Extinguishers.

Product Designation - 6WMX, 6 Litre Water Mist Fire Extinguisher, Fire Rating 13A, 75F.

Designated Standards - BS EN 3-7:2004 + A1:2007, BS EN -8:2021, BS EN 3-10:2009.

On the basis of our examination under the requirements of the Merchant Shipping (Marine Equipment) Regulations (SI 2016/1025) as amended by SI 2019/470 Schedule 2 Part 1 for Conformity Assessment Procedure Module B - Type Examination and as amended by SI 2019/1304.

For and on behalf of BSI, an Approved Body for the above Regulation (Approved Body Number 0086):



Shahm Barhom, Group Product Certification Director

First Issued: 2018-02-15

Latest Issue: 2022-11-29

Effective Date: 2022-11-29

Expiry Date: 2027-11-28



Page: 1 of 3

Type Examination Certificate

No. BSI/UK/3.2/665640

SCHEDULE OF APPROVAL

Approval Documentation that forms part of this certification:

Drawing No.	Rev./ Issue No.	Date	Title
ESYS6L9LCEX-01	A1	31/03/2020	6 litre water-mist fire extinguisher – General Assembly Drawing
PA9T-P-06	A2	06/08/2021	6 litre cylinder drawing
KX02-001T-00	A1	20/09/2018	Valve Assembly with Nylon adaptor
KX02-001T-00	A2	20/08/2020	Valve Assembly with Brass adaptor
PG10-00.00.00	1	16/12/2011	6 litre pulsator set
CSFH3-00.00.00/W2	1	18/10/2011	Nozzle
D600-02	A1	04/10/2019	Pressure Gauge
Supporting Documentation			
Technical File	TF-020 Revision 7 dated 20/09/2022. BSI Reference – 3551637.		

The models listed above were assessed against the requirements of the Merchant Shipping (Marine Equipment) Regulation SI 2016/1025, as amended by SI 2019/470, SI 2019/1304 & MSN 1874 (M+F) amendment 6.

Certificate Amendment Record and BSI internal Review relating to this Certificate

Issue date	Comments	BSI Review No.
February 2018	First issue.	0086:18:8651193
October 2020	Updated to incorporate Regulation (EU) 2020/1170, minor modification to pressure gauge & valve assembly & company address change.	0086:20:3270322
November 2022	Updated to cite UK SI 2016/1025, as amended by SI 2019/470 & SI 2019/1304, Updated certificate prefix and removed EU Directive reference.	0086:22:3551639

First Issued: 2018-02-15

Latest Issue: 2022-11-29

Effective Date: 2022-11-29

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Page: 2 of 3

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BSI Assurance UK Limited, registered in England under number 7805321 at 389 Chiswick High Road, London W4 4AL, UK.
A member of BSI Group of Companies.

Type Examination Certificate

No. BSI/UK/3.2/665640

SCHEDULE OF APPROVAL

Conditions of Certification

- i) This certificate remains valid unless cancelled or revoked, provided the conditions listed below are complied with and the equipment remains satisfactory in service.
- ii) The equipment detailed on page 1 on this certificate is to be manufactured in accordance with Conformity to Type Based on Quality Assurance of the Production Process (Module D) of the Merchant Shipping (Marine Equipment) Regulation SI 2016/1025, as amended by SI 2019/470 & SI 2019/1304.
- iii) SOLAS 74 Reg. II-2/10, SOLAS 74 Reg. X/3, SOLAS 74 Reg. II-2/4, SOLAS 74 Reg. II-2/18, SOLAS 74 Reg. II-2/19, SOLAS 74 Reg. II-2/20, IMO Res.A.951(23), IMO Res.MSC.36(63)-(1994 HSC Code) 7, IMO Res.MSC.97(73)-(2000 HSC Code) 7, IMO Res.MSC.98(73)-(FSS Code) 4, IMO Res.MSC.391(95)-(IGF Code) 11, IMO MSC/Circ.1239, IMO MSC/Circ.1275 requirements, as applicable.
- iv) The certificate will not be valid if the manufacturer makes any changes or modifications to the approved equipment, which have not been notified to, and agreed with the approved body named on this certificate.
- v) Should the specified regulations or standards be amended during the validity of this certificate, the products are to be re-approved prior to them being placed on board vessels to which the amended regulations or standards apply
- vi) Production tests are to be conducted in accordance with the applicable requirements of the IMO Resolutions and applicable standards and be recorded by the manufacturer in accordance with the approved Conformity to Type Based on Quality Assurance of the Production Process (Module D) of the Marine Equipment Directive & the Merchant Shipping (Marine Equipment) Regulation SI 2016/1025, as amended by SI 2019/470 & SI 2019/1304.
- vii) Each item, batch or lot of the equipment is to have the "Mark of Conformity" affixed and be issued with a "Declaration of Conformity".
- viii) Detailed User instructions are to be provided with each product.

First Issued: 2018-02-15

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Type Examination Certificate

This is to certify that:

Jewel Fire Group Limited
Units A1-A3
Aldwarke Wharf Business Park
Waddington Way
Rotherham
South Yorkshire
S65 3SH
United Kingdom

Holds Certificate Number:

BSI/UK/3.2/658603

In respect of:

UK/3.2 - Portable Fire Extinguishers.

Product Designation - 5CX, 5kg Carbon Dioxide Fire Extinguisher, Fire Rating 55B.

Designated Standards - BS EN 3-7:2004 + A1:2007, BS EN 3-9:2006 + AC:2007, BS EN 3-10:2009.

On the basis of our examination under the requirements of the Merchant Shipping (Marine Equipment) Regulations (SI 2016/1025) as amended by SI 2019/470 Schedule 2 Part 1 for Conformity Assessment Procedure Module B - Type Examination and as amended by SI 2019/1304.

For and on behalf of BSI, an Approved Body for the above Regulation (Approved Body Number 0086):



Shahm Barhom, Group Product Certification Director

First Issued: 2018-02-15

Latest Issue: 2022-11-29

Effective Date: 2022-11-29

Expiry Date: 2027-11-28



Page: 1 of 3

Type Examination Certificate

No. BSI/UK/3.2/658603

SCHEDULE OF APPROVAL

Approval Documentation that forms part of this certification:

Drawing No.	Rev./ Issue No.	Date	Title
RMCD5J-AY	0	24/07/2017	5kg CO2 Fire Extinguisher General Assembly drawing
3-0360-1630	E	19/07/2016	5kg CO2 Aluminium Cylinder
02-234-757	C	14/03/2022	Valve Assembly – Type 2345X
1223 1001	A0	17/02/2014	Dip Tube (536mm)1223 1003
Supporting Documentation			
Technical File	TF-010 Revision 7 dated 16/09/2022. BSI Reference – 3551637.		

The models listed above were assessed against the requirements of the Merchant Shipping (Marine Equipment) Regulation SI 2016/1025, as amended by SI 2019/470, SI 2019/1304 & MSN 1874 (M+F) amendment 6.

Certificate Amendment Record and BSI internal Review relating to this Certificate

Issue date	Comments	BSI Review No.
February 2018	First issue.	0086:18:8574552
October 2020	Updated to incorporate Regulation (EU) 2020/1170 & Company Address Change.	0086:20:3270321
November 2022	Updated to cite UK SI 2016/1025, as amended by SI 2019/470 & SI 2019/1304, Updated certificate prefix and removed EU Directive reference.	0086:22:3551638

First Issued: 2018-02-15

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Type Examination Certificate

No. BSI/UK/3.2/658603

SCHEDULE OF APPROVAL

Conditions of Certification

- i) This certificate remains valid unless cancelled or revoked, provided the conditions listed below are complied with and the equipment remains satisfactory in service.
- ii) The equipment detailed on page 1 on this certificate is to be manufactured in accordance with Conformity to Type Based on Quality Assurance of the Production Process (Module D) of the Merchant Shipping (Marine Equipment) Regulation SI 2016/1025, as amended by SI 2019/470 & SI 2019/1304.
- iii) SOLAS 74 Reg. II-2/10, SOLAS 74 Reg. X/3, SOLAS 74 Reg. II-2/4, SOLAS 74 Reg. II-2/18, SOLAS 74 Reg. II-2/19, SOLAS 74 Reg. II-2/20, IMO Res.A.951(23), IMO Res.MSC.36(63)-(1994 HSC Code) 7, IMO Res.MSC.97(73)-(2000 HSC Code) 7, IMO Res.MSC.98(73)-(FSS Code) 4. IMO Res.MSC.391(95)-(IGF Code) 11, IMO MSC/Circ.1239, IMO MSC/Circ.1275 requirements, as applicable.
- iv) The certificate will not be valid if the manufacturer makes any changes or modifications to the approved equipment, which have not been notified to, and agreed with the approved body named on this certificate.
- v) Should the specified regulations or standards be amended during the validity of this certificate, the products are to be re-approved prior to them being placed on board vessels to which the amended regulations or standards apply.
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- vii) Each item, batch or lot of the equipment is to have the "Mark of Conformity" affixed and be issued with a "Declaration of Conformity".
- viii) Detailed User instructions are to be provided with each product.

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