0.1 Member State	п
0.2.1 Species code	1201
0.2.2 Species name	Bufo viridis
0.2.3 Alternative species scientific name	Bufo balearicus
0.2.4 Common name	Rospo smeraldino

1. National Level

1.1 Maps

1.1.1 Distribution Map
Yes
1.1.1a Sensitive species
No
Complete survey/Complete survey or a statistically robust estimate (3)
1.1.3 Year or period
2000-2012
No
1.1.4 Additional map
Yes

2. Biogeographical Or Marine Level

2.1 Biogeographical Region

2.2 Published sources

Mediterranean (MED)

The present species assessment (fields 0.1-2.9) has been compiled by Anna Rita Di Cerbo, Francesco Ficetola, Roberto Sindaco (Societas Herpetologica Italica). Information, unpublished data and experts' judgments have been provided by Anna Rita Di Cerbo, Francesco Ficetola, Roberto Sindaco.

Balletto E., Bologna M.A., Giacoma C., 2007. Bufo viridis Laurenti,1768 complex. In: Fauna d'Italia, vol. XLII, Amphibia. A cura di Lanza B., Andreone F., Bologna M.A., Corti C., Razzetti E., p. 296-305. Calderini, Bologna.

Bologna M.A., Giacoma C., 2006. Rana dalmatina Bonaparte, 1838. In: Atlante degli Anfibi e dei Rettili d'Italia / Atlas of Italians Amphibians and Reptiles, Sindaco R., Doria G., Razzetti E. & Bernini F. (Eds), p. 306-311. Societas Herpetologica Italica. Edizioni Polistampa, Firenze.

Colliard C., Sicilia A., Turrisi G.F., Arculeo M., Perrin N., Stöck M., 2010. Strong reproductive barriers in a narrow hybrid zone of West-Mediterranean green toads (Bufo viridis subgroup) with Plio-Pleistocene divergence. BMC Evolutionary Biology 2010, 10:232. http://www.biomedcentral.com/1471-2148/10/232

Rondinini, C., Battistoni, A., Peronace, V., Teofili, C. (compilatori). 2013. Lista Rossa IUCN dei Vertebrati Italiani. Comitato Italiano IUCN e Ministero dell'Ambiente, del Territorio e del Mare, Roma

Stöck M., Moritz C., Hickerson M., Frynta D., Dujsebayeva T., Eremchenko V., Macey J.R., Papenfuss T.J., Wake D.B., 2006. Evolution of mitochondrial relationships and biogeography of Palearctic green toads (Bufo viridis subgroup) with insights in their genomic plasticity. Molecular Phylogenetics and Evolution 41: 663–689

Stöck M., Sicilia A., Belfiore N.M., Buckley D., Lo Brutto S., Lo Valvo M., Arculeo M., 2008. Post-Messinian evolutionary relationships across the Sicilian channel: Mitochondrial and nuclear markers link a new green toad from Sicily to African

09/04/2014 15.46.39 Page 1 of 10

relatives. BMC Evolutionary Biology 2008, 8:56 http://www.biomedcentral.com/1471-2148/8/56

2.3 Range				
2.3.3 Short-term trend period 2001		xpert opi	nion with no	or minimal sampling (1)
2.3.5 Short-term trend magnitude min2.3.6 Long-term trend period		max		
2.3.7 Long-term trend direction N/A				
2.3.8 Long-term trend magnitude min		max		
	(km²)			Lie / A
oper unkc		approxi No	mately equa	II to (≈)
metl			udgement	
2.3.10 Reason for change Use	of different met		J	
2.4 Population				
2.4.1 Population size Unit	N/A			
(individuals or agreed exception) min		max		
2.4.2 Population size Unit	number of r	map 10x1	0 km grid ce	lls (grids10x10)
(other than individuals) min	606	max	606	
2.4.3 Additional information Defin	ition of locality			
	ersion method			
Prob	ems			
	-2012			
· · · · · · · · · · · · · · · · · · ·	nate based on pa	artial data	with some	extrapolation and/or modelling (2)
2.4.6 Short-term trend period 2001	-2012			
2.4.7 Short term trend direction stabl	e (0)			
2.4.8 Short-term trend magnitude min		max		confidence interval
2.4.9 Short-term trend method2.4.10 Long-term trend period	nate based on pa	artial data	with some	extrapolation and/or modelling (2)
2.4.11 Long term trend direction N/A				
2.4.12 Long-term trend magnitude min		max		confidence interval
2.4.13 Long-term trend method N/A				
2.4.14 Favourable reference num	ber			
population oper	• • • • • • • • • • • • • • • • • • • •	mately ed	qual to (≈)	
	iown No			
meti	. ,	udgemen		
2.4.15 Reason for change Impr	oved knowledge	e/more ac	curate data	

2.5.4 b) Quality of habitat - method Decrease of habitats and connectivity due to pollution, infilling of water bodies

2000-2012

Good

Absent data (0)

2.5 Habitat for the Species2.5.1 Surface area - Habitat (km²)

2.5.3 Method used - habitat

2.5.4 a) Quality of habitat

2.5.2 Year or period

09/04/2014 15.46.39 Page 2 of 10

and agricultural intensification. Continuous urbanisation and roads affect toad migration..

2001-2012 2.5.5 Short term trend period 2.5.6 Short term trend direction

stable (0)

2.5.7 Long-term trend period

2.5.8 Long term trend direction

N/A

2.5.9 Area of suitable habitat (km²)

Improved knowledge/more accurate data

2.6 l	Mai	n Pr	essu	res

2.5.10 Reason for change

Pressure	ranking	pollution qualifier(s)
use of biocides, hormones and chemicals (A07)	medium importance (M)	N/A
Landfill, land reclamation and drying out, general (J02.01)	medium importance (M)	N/A
Water abstractions from groundwater (J02.07)	low importance (L)	N/A
Roads, paths and railroads (D01)	medium importance (M)	N/A
human induced changes in hydraulic conditions (J02)	medium importance (M)	N/A
continuous urbanisation (E01.01)	medium importance (M)	N/A
Pollution to surface waters (limnic & terrestrial, marine & brackish) (H01)	medium importance (M)	N/A
antagonism arising from introduction of species (K03.05)	medium importance (M)	N/A

2.6.1 Method used – pressures

mainly based on expert judgement and other data (2)

2.7 Main Threats

Threat	ranking	pollution qualifier(s)
use of biocides, hormones and chemicals (A07)	medium importance (M)	N/A
Landfill, land reclamation and drying out, general (J02.01)	medium importance (M)	N/A
Water abstractions from groundwater (J02.07)	medium importance (M)	N/A
Roads, paths and railroads (D01)	medium importance (M)	N/A
human induced changes in hydraulic conditions (J02)	medium importance (M)	N/A
continuous urbanisation (E01.01)	medium importance (M)	N/A
Pollution to surface waters (limnic & terrestrial, marine & brackish) (H01)	medium importance (M)	N/A
antagonism arising from introduction of species (K03.05)	medium importance (M)	N/A

2.7.1 Method used – threats

expert opinion (1)

2.8 Complementary Information

2.8.1 Justification of % thresholds for trends

2.8.2 Other relevant Information

2.8.3 Trans-boundary assessment

2.9 Conclusions (assessment of conservation status at end of reporting period)

2.9.1 Range

assessment Favourable (FV)

qualifiers N/A

2.9.2. Population

assessment Favourable (FV) qualifiers N/A

09/04/2014 15.46.39 Page 3 of 10

2.9.3. Habitat

2.9.4. Future prospects

2.9.5 Overall assessment of Conservation Status

2.9.5 Overall trend in Conservation Status

assessment Favourable (FV)

qualifiers N/A

assessment Favourable (FV)

qualifiers N/A Favourable (FV)

N/A

3. Natura 2000 coverage and conservation measures - Annex II species

3.1 Population

3.1.1 Population Size

Unit N/A

min

max

3.1.2 Method used

N/A

3.1.3 Trend of population size within

N/A

3.2 Conversation Measures

2. Biogeographical Or Marine Level

2.1 Biogeographical Region

2.2 Published sources

Continental (CON)

The present species assessment (fields 0.1-2.9) has been compiled by Anna Rita Di Cerbo, Francesco Ficetola, Roberto Sindaco (Societas Herpetologica Italica). Information, unpublished data and experts' judgments have been provided by Anna Rita Di Cerbo, Francesco Ficetola, Roberto Sindaco.

Balletto E., Bologna M.A., Giacoma C., 2007. Bufo viridis Laurenti,1768 complex. In: Fauna d'Italia, vol. XLII, Amphibia. A cura di Lanza B., Andreone F., Bologna M.A., Corti C., Razzetti E., p. 296-305. Calderini, Bologna.

Bologna M.A., Giacoma C., 2006. Rana dalmatina Bonaparte, 1838. In: Atlante degli Anfibi e dei Rettili d'Italia / Atlas of Italians Amphibians and Reptiles, Sindaco R., Doria G., Razzetti E. & Bernini F. (Eds), p. 306-311. Societas Herpetologica Italica. Edizioni Polistampa, Firenze.

Colliard C., Sicilia A., Turrisi G.F., Arculeo M., Perrin N., Stöck M., 2010. Strong reproductive barriers in a narrow hybrid zone of West-Mediterranean green toads (Bufo viridis subgroup) with Plio-Pleistocene divergence. BMC Evolutionary Biology 2010, 10:232. http://www.biomedcentral.com/1471-2148/10/232

Rondinini, C., Battistoni, A., Peronace, V., Teofili, C. (compilatori). 2013. Lista Rossa IUCN dei Vertebrati Italiani. Comitato Italiano IUCN e Ministero dell'Ambiente, del Territorio e del Mare, Roma.

Stöck M., Moritz C., Hickerson M., Frynta D., Dujsebayeva T., Eremchenko V., Macey J.R., Papenfuss T.J., Wake D.B., 2006. Evolution of mitochondrial relationships and biogeography of Palearctic green toads (Bufo viridis subgroup) with insights in their genomic plasticity. Molecular Phylogenetics and Evolution 41: 663–689

09/04/2014 15.46.39 Page 4 of 10

Stöck M., Sicilia A., Belfiore N.M., Buckley D., Lo Brutto S., Lo Valvo M., Arculeo M., 2008. Post-Messinian evolutionary relationships across the Sicilian channel: Mitochondrial and nuclear markers link a new green toad from Sicily to African relatives. BMC Evolutionary Biology 2008, 8:56 http://www.biomedcentral.com/1471-2148/8/56

-	-		
2.3	ப	212	α
Z.3	п	all	2

2.3.1 Surface area - Range (km²) 2.3.2 Method - Range surface area 2.3.3 Short-term trend period

2.3.4 Short-term trend direction 2.3.5 Short-term trend magnitude

2.3.6 Long-term trend period

2.3.7 Long-term trend direction

2.3.8 Long-term trend magnitude

2.3.9 Favourable reference range

76500

Complete survey/Complete survey or a statistically robust estimate (3)

2001-2012 stable (0)

min max

N/A

min max

area (km²)

operator approximately equal to (≈)

max

unkown

method Expert judgement

2.3.10 Reason for change

Use of different method

2.4 Population

2.4.1 Population size

2.4.2 Population size

(individuals or agreed exception)

N/A min

Unit

Unit

(other than individuals)

number of map 10x10 km grid cells (grids10x10) 522 min max

2.4.3 Additional information

Definition of locality

Conversion method

Problems

2.4.4 Year or period

2000-2012

2.4.5 Method – population size

Complete survey/Complete survey or a statistically robust estimate (3)

Estimate based on partial data with some extrapolation and/or modelling (2)

522

2.4.6 Short-term trend period

2001-2012

2.4.7 Short term trend direction

stable (0)

2.4.8 Short-term trend magnitude

confidence interval max

2.4.9 Short-term trend method

2.4.10 Long-term trend period

N/A

2.4.11 Long term trend direction 2.4.12 Long-term trend magnitude

confidence interval min max

N/A

2.4.13 Long-term trend method 2.4.14 Favourable reference

number

population

operator approximately equal to (≈)

unknown No

method Expert judgement

2.4.15 Reason for change

Improved knowledge/more accurate data

2.5 Habitat for the Species

2.5.1 Surface area - Habitat (km²)

2.5.2 Year or period

2000-2012

09/04/2014 15.46.39 Page 5 of 10

2.5.3 Method used - habitat

2.5.4 a) Quality of habitat

2.5.4 b) Quality of habitat - method

Absent data (0)

Good

Decrease of habitats and connectivity due to pollution, infilling of water bodies and agricultural intensification. Continuous urbanisation and roads affect toad migration.

2001-2012

stable (0)

2.5.7 Long-term trend period

2.5.5 Short term trend period

2.5.6 Short term trend direction

2.5.8 Long term trend direction

2.5.9 Area of suitable habitat (km²)

2.5.10 Reason for change

N/A

Improved knowledge/more accurate data

76	Main	Pressur	20
0	IVIGILI	i i Coour	CJ

Pressure	ranking	pollution qualifier(s)
agricultural intensification (A02.01)	medium importance (M)	N/A
Roads, paths and railroads (D01)	medium importance (M)	N/A
human induced changes in hydraulic conditions (J02)	medium importance (M)	N/A
use of biocides, hormones and chemicals (A07)	medium importance (M)	N/A
droughts and less precipitations (M01.02)	low importance (L)	N/A
continuous urbanisation (E01.01)	medium importance (M)	N/A
infilling of ditches, dykes, ponds, pools, marshes or pits (J02.01.03)	medium importance (M)	N/A

2.6.1 Method used – pressures

mainly based on expert judgement and other data (2)

2.7 Main Threats

Threat	ranking	pollution qualifier(s)
surface water abstractions for agriculture (J02.06.01)	medium importance (M)	N/A
droughts and less precipitations (M01.02)	low importance (L)	N/A
infilling of ditches, dykes, ponds, pools, marshes or pits (J02.01.03)	medium importance (M)	N/A
use of biocides, hormones and chemicals (A07)	medium importance (M)	N/A
Roads, paths and railroads (D01)	high importance (H)	N/A
human induced changes in hydraulic conditions (J02)	medium importance (M)	N/A
continuous urbanisation (E01.01)	medium importance (M)	N/A

2.7.1 Method used - threats

expert opinion (1)

2.8 Complementary Information

2.8.1 Justification of % thresholds for trends

2.8.2 Other relevant Information

2.8.3 Trans-boundary assessment

2.9 Conclusions (assessment of conservation status at end of reporting period)

2.9.1 Range

assessment Favourable (FV)

qualifiers N/A

2.9.2. Population

assessment Favourable (FV) qualifiers N/A

09/04/2014 15.46.39 Page 6 of 10

2.9.3. Habitat

2.9.4. Future prospects

2.9.5 Overall assessment of Conservation Status

2.9.5 Overall trend in Conservation Status

assessment Favourable (FV) qualifiers N/A

assessment Favourable (FV) qualifiers N/A

Favourable (FV)

N/A

3. Natura 2000 coverage and conservation measures - Annex II species

3.1 Population

3.1.1 Population Size

Unit N/A

min

max

3.1.2 Method used

N/A

3.1.3 Trend of population size within

N/A

3.2 Conversation Measures

2. Biogeographical Or Marine Level

2.1 Biogeographical Region

2.2 Published sources

Alpine (ALP)

The present species assessment (fields 0.1-2.9) has been compiled by Anna Rita Di Cerbo, Francesco Ficetola, Roberto Sindaco (Societas Herpetologica Italica). Information, unpublished data and experts' judgments have been provided by Anna Rita Di Cerbo, Francesco Ficetola, Roberto Sindaco.

Balletto E., Bologna M.A., Giacoma C., 2007. Bufo viridis Laurenti,1768 complex. In: Fauna d'Italia, vol. XLII, Amphibia. A cura di Lanza B., Andreone F., Bologna M.A., Corti C., Razzetti E., p. 296-305. Calderini, Bologna.

Bologna M.A., Giacoma C., 2006. Rana dalmatina Bonaparte, 1838. In: Atlante degli Anfibi e dei Rettili d'Italia / Atlas of Italians Amphibians and Reptiles, Sindaco R., Doria G., Razzetti E. & Bernini F. (Eds), p. 306-311. Societas Herpetologica Italica. Edizioni Polistampa, Firenze.

Colliard C., Sicilia A., Turrisi G.F., Arculeo M., Perrin N., Stöck M., 2010. Strong reproductive barriers in a narrow hybrid zone of West-Mediterranean green toads (Bufo viridis subgroup) with Plio-Pleistocene divergence. BMC Evolutionary Biology 2010, 10:232. http://www.biomedcentral.com/1471-2148/10/232

Rondinini, C., Battistoni, A., Peronace, V., Teofili, C. (compilatori). 2013. Lista Rossa IUCN dei Vertebrati Italiani. Comitato Italiano IUCN e Ministero dell'Ambiente, del Territorio e del Mare, Roma

Stöck M., Moritz C., Hickerson M., Frynta D., Dujsebayeva T., Eremchenko V., Macey J.R., Papenfuss T.J., Wake D.B., 2006. Evolution of mitochondrial relationships and biogeography of Palearctic green toads (Bufo viridis subgroup) with insights in their genomic plasticity. Molecular Phylogenetics and Evolution 41: 663–689

09/04/2014 15.46.39 Page 7 of 10

,	•		
2.3 Range			
 2.3.1 Surface area - Range (km²) 2.3.2 Method - Range surface area 2.3.3 Short-term trend period 2.3.4 Short-term trend direction 	23000 Complete survey/Co 2001-2012 stable (0)	omplete survey or a sta	tistically robust estimate (3)
2.3.5 Short-term trend magnitude2.3.6 Long-term trend period	min	max	
2.3.7 Long-term trend direction	N/A		
2.3.8 Long-term trend magnitude	min	max	
2.3.9 Favourable reference range	area (km²)	annrovimatoly ogual	to (a)
	operator unkown	approximately equal No	(≈)
	method	Expert judgement	
2.3.10 Reason for change	Use of different met		
2.4 Population			
2.4.1 Population size	Unit N/A		
(individuals or agreed exception)	min	max	
2.4.2 Population size	Unit number of	map 10x10 km grid cell	ls (grids10x10)
(other than individuals)	min 136	max 136	
2.4.3 Additional information	Definition of locality		
	Conversion method		
	Problems		
2.4.4 Year or period	2000-2012		
2.4.5 Method – population size	Complete survey/Co	mplete survey or a stat	tistically robust estimate (3)
2.4.6 Short-term trend period	2001-2012		
2.4.7 Short term trend direction	stable (0)		
2.4.8 Short-term trend magnitude	min	max	confidence interval
2.4.9 Short-term trend method2.4.10 Long-term trend period	Estimate based on p	artial data with some e	extrapolation and/or modelling (2)
2.4.11 Long term trend direction	N/A		
2.4.12 Long-term trend magnitude	min	max	confidence interval
2.4.13 Long-term trend method	N/A		
2.4.14 Favourable reference	number		
population	operator approx	imately equal to (≈)	
	unknown No		
	method Expert	judgement	
2.4.15 Reason for change			
2.5 Habitat for the Species			
2.5.1 Surface area - Habitat (km²)			
2.5.2 Year or period	2000-2001		
2.5.3 Method used - habitat	Absent data (0)		
2.5.4 a) Quality of habitat	Good		an addition to fill the of the least of
2.5.4 b) Quality of habitat - method		s and connectivity due ensification. Roads affec	to pollution, infilling of water bodies
	and agricultural lift	monication. Nodus affec	ce toda iliigiation.

09/04/2014 15.46.39 Page 8 of 10

2001-2012

stable (0)

2.5.5 Short term trend period

2.5.6 Short term trend direction

2.5.7 Long-term trend period

2.5.8 Long term trend direction

2.5.9 Area of suitable habitat (km²)

2.5.10 Reason for change

N/A

Improved knowledge/more accurate data

2.5.10 Reason for change	improved knowledge/more accurate data		
2.6 Main Pressures			
Pressure		ranking	pollution qualifier(s)
invasive non-native species (I01)		low importance (L)	N/A
Biocenotic evolution, succession (K02)		medium importance (M)	N/A
Pollution to surface waters (limnic & to brackish) (H01)	errestrial, marine &	medium importance (M)	N/A
Roads, paths and railroads (D01)		high importance (H)	N/A
agricultural intensification (A02.01)		medium importance (M)	N/A
Water abstractions from surface water	rs (J02.06)	medium importance (M)	N/A
infilling of ditches, dykes, ponds, pools (J02.01.03)	, marshes or pits	medium importance (M)	N/A
anthropogenic reduction of habitat con	nnectivity (J03.02)	high importance (H)	N/A
use of biocides, hormones and chemica	als (A07)	medium importance (M)	N/A
2.6.1 Method used – pressures	mainly based on ex	pert judgement and other data	(2)
2.7 Main Threats			
Threat		ranking	pollution qualifier(s)
reduction in migration/ migration barr	iers (J03.02.01)	medium importance (M)	N/A
Pollution to surface waters (limnic & te	errestrial marine &	medium importance (M)	N/A

2.7 Main inreats		
Threat	ranking	pollution qualifier(s)
reduction in migration/ migration barriers (J03.02.01)	medium importance (M)	N/A
Pollution to surface waters (limnic & terrestrial, marine & brackish) (H01)	medium importance (M)	N/A
use of biocides, hormones and chemicals (A07)	medium importance (M)	N/A
paths, tracks, cycling tracks (D01.01)	medium importance (M)	N/A
invasive non-native species (IO1)	medium importance (M)	N/A
Biocenotic evolution, succession (K02)	medium importance (M)	N/A
agricultural intensification (A02.01)	medium importance (M)	N/A
infilling of ditches, dykes, ponds, pools, marshes or pits (J02.01.03)	medium importance (M)	N/A
surface water abstractions for agriculture (J02.06.01)	medium importance (M)	N/A
Restructuring agricultural land holding (A10)	medium importance (M)	N/A
2.7.1 Methodused threats every eninion (1)		

2.7.1 Method used – threats

expert opinion (1)

2.8 Complementary Information

2.8.1 Justification of % thresholds for trends

2.8.2 Other relevant Information

2.8.3 Trans-boundary assessment

2.9 Conclusions (assessment of conservation status at end of reporting period)

2.9.1 Range

assessment Favourable (FV) qualifiers N/A

09/04/2014 15.46.39 Page 9 of 10

2.9.2. Population

assessment Favourable (FV)
qualifiers N/A

2.9.3. Habitat

assessment Favourable (FV)
qualifiers N/A

2.9.4. Future prospects

assessment Favourable (FV)
qualifiers N/A

2.9.5 Overall assessment of
Conservation Status

2.9.5 Overall trend in
Conservation Status

3. Natura 2000 coverage and conservation measures - Annex II species

3.1.1 Population Size Unit N/A min max 3.1.2 Method used 3.1.3 Trend of population size within N/A 3.2 Conversation Measures

09/04/2014 15.46.39 Page 10 of 10

Species name: Bufo viridis (1201) Field label User 0.2.3 Alternative Speciesname Bufo siculus specie endemica della Sicilia distinta da B. viridis da Stock et al. (2008). ISPRA Fonti bibliografiche: **AUNA** Stöck M., Sicilia A., Belfiore N., Buckley D., Lo Brutto S., Lo Valvo M., Arculeo M., 2008. Post-Messinian evolutionary relationships across the Sicilian channel: Mitochondrial and nuclear markers link a new green toad from Sicily to African relatives. BMC Evolutionary Biology 8: 56-74. 0.2.3 Alternative Speciesname Bufo balearicus popolazioni peninsulari e insulari (ad eccezione della Sicilia) ISPRA (Colliard et al, 2012; Stock et al., 2008). In Italia, sono presenti popolazioni di B. **AUNA** viridis solo in Friuli Venezia Giulia, anche se il limite geografico tra le due specie non è del tutto ancora chiaro (Lanza et al., 2007; Sindaco et al. 2006). Fonti bibliografiche: Lanza B., Andreone F., Bologna M.A., Corti C., Razzetti E., 2007. Fauna d'Italia. Amphibia. Calderini, Bologna. Sindaco R., Doria G., Razzetti E., Bernini F., 2006. Atlante degli anfibi e rettili d'Italia. Societas Herpetologica Italica. Edizioni Polistampa, Firenze. Stöck M., Sicilia A., Belfiore N., Buckley D., Lo Brutto S., Lo Valvo M., Arculeo M., 2008. Post-Messinian evolutionary relationships across the Sicilian channel: Mitochondrial and nuclear markers link a new green toad from Sicily to African relatives. BMC Evolutionary Biology 8: 56-74. Caroline Colliard C., Sicilia A., Turrisi G.F., Arculeo M., Perrin N., Stöck M., 2010. Strong reproductive barriers in a narrow hybrid zone of West-Mediterranean green toads (Bufo viridis subgroup) with Plio-Pleistocene divergence. BMC Evolutionary Biology 2010, 10:232. http://www.biomedcentral.com/1471-2148/10/232

09/04/2014 15.46.26 Page 1



_F