

SANCO/10322/2013

Programmes for the eradication, control and monitoring of certain animal diseases and zoonoses

### Control and monitoring programme for Classical Swine Fever

Slovenia

Approved\* for 2013 by Commission Decision 2012/761/EU

\* in accordance with Council Decision 2009/470/EC

version: 2.2

1. Identification of the programme
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Member state :	SLOVENIJA
Disease	Classical swine fever
Species :	Domestic pigs and wild boar
This program is multi annual	:no
Request of Community co-financing for year:	2013

version: 2.2

### 1.1 Contact

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### 2. Historical data on the epidemiological evolution of the disease

Provide a concise description on the target population (species, number of herds and animals present and under the programme), the main measures (sampling and testing regimes, eradication measures applied, qualification of herds and animals, vaccination schemes) and the main results (incidents, prevalence, qualification of herds and animals). The information is given for distinct periods if the measures were substantially modified. The information is documented by relevant summary epidemiological tables (point 6), complemented by graphs or maps (to be attached).

(max. 32000 chars):

### DOMESTIC PIGS

According to the data from the Central register of pigs the pig population in Slovenia is 342.141 pigs in 19.522 pig holdings. There are also 3 large pig units with more than 500 breeding sows per farm. Since May 1996, when the last outbreak of CSF had been recorded, the Republic of Slovenia has been free of CSF. Slovenia has stopped the vaccination of pigs against CSF at the end of October 2000. Upon cessation of vaccination, regular monitoring program has been established in order to obtain the exact epizootiological situation in pig population. The feeding of catering waste to pigs is prohibited from 1. October 2003.

### **WILD BOARS**

Wild boar population has been monitored in a framework of pilot studies since 1998. In March 2002, first serological positive results were confirmed in the southern border region of the country. VARS decided to establish a long-term monitoring and surveillance programme on the whole territory of Slovenia in 2003. In 2004 monitoring was modified within a twinning project with Germany.

In accordance with the Monitoring Programme, each year exact number of shot wild boars must be subjected to serological testing for the presence of CSF virus. It is estimated that 406 blood samples (shot wild boars), fit for laboratory investigation should be taken nation-wide based on the random sampling.

According to the population density of wild boar, based on sampling districts (combined hunting district with a size of about 1000 sqkm), in sampling districts with less than 1,0 wild boar shot per sqkm hunting area, 29 blood samples should be investigated, in sampling districts with more than 1,0 wild boar shot

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per sqkm, 58 blood samples should be investigated.

In the frame of the program the territory of Slovenia is divided into 13 hunting/rearing areas, where app. 141 hunting families collect samples. Samples are collected in each area with regard to the number of killed wild boars per square km. Hunting bag for 10 hunting/rearing areas is limited to 1 shot wild boar per sqkm and therefore 29 samples from each hunting/rearing area should be taken. Hunting bag for two hunting areas is more than 1 shot wild boar per sqkm so 58 samples should be taken through the whole year.

It is estimated that 406 blood samples, fit for laboratory investigation should be taken, thus a 10 % prevalence of antibodies against CSF is provided in the detection of disease, with 95 % confidence. In addition to this all (as much as possible) wild boars shot in the area along the border with Croatia (risk based samples) should be tested as well.

All found dead wild boars and animals from road-kills should be tested (virologicaly) for presence of CSFV.

### 3. Description of the submitted programme

Provide a concise description of the programme with its main objective(s) (monitoring, control, eradication, qualification of herds and/or regions, reducing prevalence and incidence), the main measures (sampling and testing regimes, eradication measures to be applied, qualification of herds and animals, vaccination schemes), the target animal population, the area(s) of implementation and the definition of a positive case.

### (max. 32000 chars) :

### DOMESTIC PIGS

On the basis of annual Decree on the carrying out of systematic surveillance of animal diseases and vaccinations monitoring programmes are defined.

For year 2013 the CSF monitoring program will consist of:

- I. Monitoring program for large pig farms (3):
- 25 blood samples breeding sows each quarter
- 10 blood samples fattening pigs each quarter;
- II. Monitoring program for other pig holdings:

Two side sampling scheme will be implemented.

- 1. Herd based sampling scheme to detect a 1% level of sero-positive herds with 95% confidence (149 pig herds) combined with the risk based approach:
- a. sampling in breeding herds: because breeding animals play an important role in the transmission of the disease over big distances, breeding pigs are the target population in the sampling scheme;
- b. sampling in small breeding herds: non-commercial farms, back-yard herds,... usually present greater risk regarding CSF infection than larger pig units because of usually poorer biosecurity conditions; c. Investigation of fallen stock collected by VHS (Veterinary Hygienic Service) in regional units of NVI.
- using PCR technique
- on average, about 28.000 pig carcasses are sent to regional units of NVI
- 1% of these submissions have to be systematically tested concerning CSF after post-mortem examination (approx. 300 samples per year).
- 2. Detection of within-herd prevalence of 5% with 95% confidence in breeding herds, also combined with risk based components:

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a. purchased breeding pigs;

b. pigs with health problems.

It is estimated that in 2013 the number of samples will be approx. 5.620 (5.270 AB ELISA, 350 PCR).

### WILD BOAR

The main objective of the monitoring program is to have an effective survey on possible presence of Classical Swine Fever in population of wild boar in compliance with the EU recommendations established.

According to the program 406 blood samples (random sampling - shot wild boars) should be taken and sent for laboratory investigation and all (as much as possible) samples from the border region with Croatia (risk based) should be tested as well.

All found dead wild boars and road-kills collected by NVIs VHS should be virologically tested. It is estimated that for year 2013, 800 samples will be taken in the frame of the wild boar monitoring programme.

Since the number of samples that are not suitable for testing has been increasing, regular trainings for hunters (on the spot - at the time of shooting) will be implemented during the year.

### 4. Measures of the submitted programme

### 4.1 Summary of measures under the programme

, 3	
First year :	
Control	
Testing	
Slaughter and animals tested pos	itive
Killing of animals tested positive	
☐ Vaccination	
Treatment	
Disposal of products	
Eradication, control or monitoring	

Duration of the programme: 2013

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### 4.2 Organisation, supervision and role of all stakeholders involved in the programme

Describe the authorities in charge of supervising and coordinating the departments responsible for implementing the programme and the different operators involved. Descrive the responsabilities of all involved.

### (max. 32000 chars):

Veterinary Administration of Slovenia (VARS) is in charge of the implementation of the programme. Samples are taken by the official veterinarians at the time of slaughter and by private practitioners with concession on the farm (domestic pigs) and by hunters (wild boars) and than delivered to the National Veterinary Institute (NVI) where laboratory examinations are performed. Hunters are obliged to inform Veterinary Hygienic Service (VHS) of NVI, in the case of found dead wild boars or road-kills, which transport cadavers to the section.

### 4.3 Description and demarcation of the geographical and administrative areas in which the programme is to be implemented

Describe the name and denomination, the administrative boundaries, and the surface of the administrative and geographical areas in which the programme is to be applied. Illustrate with maps.

### (max. 32000 chars):

### DOMESTIC PIGS

The entire territory of the Republic of Slovenia extends over an area of 20,273 sqkm, and is divided into 10 Regional Offices of VARS for the needs of operations of veterinary inspection services. Monitoring programme will be carried out on the entire territory of the Republic of Slovenia. (Attachment I)

### 4.4 Description of the measures of the programme

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A comprehensive description needs to be provided of all measures unless reference can be made to Union legislation. The national legislation in which the measures are laid down is mentioned.

### 4.4.1 Notification of the disease

(max. 32000 chars):

On the basis of the Rules on animal diseases (Ur. I. RS, št. 81/07, 24/10) which transpose Council Directive 82/894/EEC of 21 December 1982 on the notification of animal diseases within the Community and partially also Council Directive 2001/89/EC of 23 October 2001on Community measures for the control of classical swine fever, CSF is a compulsorily notifiable disease.

When the presence of a disease from former OIE List A is suspected, the veterinary organisation having established the suspicion shall immediately notify thereof by telephone and by fax, on a form that must include the prescribed data, the VARS HQ which, in turn, shall immediately convene a meeting of the NDCC members. The VARS HQ shall provide for a 24-hour service line for these purposes.

The designated laboratory shall immediately communicate the results of diagnostic investigations by telephone (via the 24-hour service line) and by fax or e-mail to the Main Office of the VARS.

VARS must notify the disease immediately or no later than within 24 hours to the International Office of Epizootic Diseases – OIE, the European Commission, and the competent veterinary authorities of all neighbouring countries. Notification shall include all the information required, and it shall be faxed or mailed or forwarded by the ADNS system.

### 4.4.2 Target animals and animal population

(max. 32000 chars):

Programme is to be conducted in domestic pig population as well as in wild boar population.

### 4.4.3 Identification of animals and registration of holdings

(max. 32000 chars):

With the rules on identification and registration of pigs (UL RS, 04/11) provisions of Council Directive 2008/71/EC of 15 July 2008 on the identification and registration of pigs were fully transposed into the Slovenian legal order in the sector of identification of porcine animals.

The main element is the central computerised database – The Central Register of Porcine Animals (hereinafter referred to as: CRPA).

Each porcine animal in Slovenia shall be identified as soon as possible or prior to any movements to a different location, with ear tag or tatoo that include a group idnetification number (GIN). GIN cosist of 8 digits, the first two digits represent the code of Slovenia, "SI", and the othet six represent KMG – MID, an identification number that defines the location of holding.

The primary identification responsibility is on the side of the breeder or holder of animal, who may carry out the physical identification by himself, or have it done by an authorised service. Upon physical

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identification of animal, animal holder must inform via an authorised service, to the IRS, which enters the animal into the CRPA. Each animal movement shall be notified to the IRS, to enter it in the CRPA. Deadline for the notification and data entry in the CRPA is seven days from the event, or prior to movements of porcine animals to another location.

Control of the identification and registration of porcine animals is carried out by the veterinary and agricultural inspection services, within their respective competence and authorisation.

Veterinary Compliance Criteria Act (Ur. I. RS, št. 93/05)

Rules on the identification and registration of pigs (Ur. I. RS, št. 04/2011)

The Veterinary Compliance Criteria Act is laying down in Article 7 and 11 that stables under the veterinary control must be registered with the VARS, on the basis of a decision issued within the administrative procedure. Legal and natural persons involved in the breeding activity must report any changes regarding animals, facilities or other changes to the nearest veterinary organisation that is keeping the register of establishments and animals, and notify thereof the VARS.

Animal Identification and Registration Service (hereinafter referred to as: ISR) keeps a register of breeding/rearing establishments in the Republic of Slovenia. Each holding is identified on the basis of a unique KMG – MID, an identification number that defines the location of holding. It shall be obtained by each holding, when entered in the register of agricultural holdings.

### 4.4.4 Qualifications of animals and herds

(max. 32000 chars):			
Not relevant			

### 4.4.5 Rules of the movement of animals

(max. 32000 chars):

In the Republic of Slovenia, animals must be identified in accordance with the prescribed identification methods. Movements of porcine animals are recorded in the CRPA established in accordance with the provisions of the Council Directives 2008/71/EC and 64/432/EEC.

Until 2006, animals moved within the country were accompanied by the prescribed veterinary certificate, on which basis their state of health was verified, certifying that in the place of origin of the animals a certain contagious animal disease transmissible by the relevant animal species has not been detected. In 2006, veterinary certificates for movements inside the territory of Slovenia were abolished. Only in exceptional cases VARS may require the provision of a veterinary certificate for movements in the territory of RS, where so required in order to protect public and animal health or where required by Community rules.

Movements of the sick and injured animals to the slaughterhouse shall be carried out on the basis of a veterinary referral form only. The holder of animals shall obtain the prescribed veterinary referral form also for animals intended for transport to a slaughterhouse, from the stables with an unverified or suspect epidemiological situation.

For Intra-Union trade the provisions of Council Directives 90/425/EEC and 64/432/EEC have been enforced since 1st May 2004, when Slovenia became a member of the EU.

version · 2 2

Rules on measures for the detection, prevention and suppression of classical swine fever (Ur. I. RS, št. 20/12)

According to the above mentioned rules, which are transposing Directive 2001/89/EC, animals suspected of being infected with CSF are not allowed to be moved neither in the holding nor from the holding, until the disease is officially ruled out or confirmed. There is a prohibition on trade in meat, meat products, semen, ova and embryos of pigs, animal feed, animal waste, and equipment, by which infection could spread.

### 4.4.6 Tests used and sampling schemes

### (max. 32000 chars):

For monitoring purposes CSF AB ELISA test will be used. For testing of fallen stock, RT-qPCR will be used. For further testing (confirmatory tests, differential diagnosis): SN-CSF, SN-BVD, SN-BB, CSF AG ELISA, RT-qPCR, virus isolation.

Sampling scheme – already described under point 3.

### 4.4.7 Vaccines used and vaccination schemes

### (max. 32000 chars):

Vaccination against CSF has been prohibited since October 2000.

### 4.4.8 Information and assessment on bio-security measures management and infrastructure in place in the holdings involved.

### (max. 32000 chars):

A good biosecurity regime should always be in place to improve farm efficiency, protect neighbouring farms and the countryside, and safeguard animal and human health.

Biosecurity measures are taken as routine especially on the large pig units which are managed as a "closed system".

Reduce where possible the movements of people, vehicles or equipment into areas where farm animals are kept and by this to minimise potential contamination with manure, slurry and other products that could carry disease.

Veterinarians taking samples should (direct contact with farm animals occurs) cleanse and disinfect protective clothing, footwear, equipment, vehicles before and after contact, or where practicable use disposable protective clothing.

### 4.4.9 Measures in case of a positive result

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A short description is provided of the measures as regards positive animals (slaughter, destination of carcasses, use or treatment of animal products, the destruction of all products which could transmit the disease or the treatment of such products to avoid any possible contamination, a procedure for the disinfection of infected holdings, the therapeutic or preventive treatment chosen, a procedure for the restocking with healthy animals of holdings which have been depopulated by slaughter and the creation of a surveillance zone around infected holding)

(max. 32000 chars):

According to the Rules on measures for the detection, prevention and suppression of classical swine fever (Ur. I. RS, št. 20/12) which are fully transposing Council Directive 2001/98/EEC, measures are implemented immediately after the VARS has information that pigs are suspected of being infected with CSF.

### 4.4.10 Compensation scheme for owners of slaughtered and killed animals

(max. 32000 chars):

Veterinary Practice Act (Ur. I. RS, št. 33/01, 45/04)

Rules on the compensations in the veterinary field (Ur. I. RS, št. 105/07)

A specific appraising commission shall assess animals prior to slaughter. Compensation shall be determined on the basis of market value of animal. Animal holder shall be paid the compensation, when he has immediately reported the suspicion or outbreak of disease, when all the diagnostic and other investigations of animal have been carried out, and when he has complied with any other prescribed and imposed measures for the prevention and suppression of disease.

Compensation payment procedure shall be instituted on the request of animal holder, who submits an application with the relevant Regional Office of the VARS.

Diagnostic investigation costs, the difference between the slaughter and breeding value, compensation for items and raw materials shall be covered from the national budget of the Republic of Slovenia.

### 4.4.11 Control on the implementation of the programme and reporting

(max. 32000 chars):

Rules on the carrying out of systematic surveillance of animal diseases and vaccinations of animals Deadline for the implementation of the programme is defined in the Rules. The control over the implementation is carried out by the official veterinarians in accordance with Annual working plan. Reporting is done in accordance with the Council Decision 2009/479/EEC.

### 5. Benefits of the programme

A description is provided of the benefits for farmers and society in general

(max. 32000 chars):

The main benefit would be early detection of possible presence of the disease and by this reduction of possible consequences and costs.

### Data on the epidemiological evolution during the last five years 6

Data already submitted via the online system for the years 2007 - 2010:

yes

Evolution of the disease

6.1

Evolution of the disease:

○ Not applicable • Applicable...

Data on herds for year:

6.1.1

2011

										Indicators		
Region	Animal species	Total number of herds	Total Total number of Number of Number of Number of Number of Number of herds under the herds positive new positive herds herds depopulated	Number of herds checked	Number of positive herds	Number of Number of positive new positive herds herds		% positive herds depopulated	% herds coverage	% positive herds % new positive Period herd herds herds prevalence	% new positive herds Herd incidence	
	Domestic pigs	19 522	296	296	0	0	0		100			×
Total		19 522	296	296	0	0	0		100			

Add a new row

Data on animals for year:

6.1.2

ear: 2 011

							Slaughtering	ering	India	Indicators	
Region	Animal species	Total number of animals	Number of animals to be tested under the programme	Number of animal tested	Number of animals tested individually	Number of positives animals	Number of animals with positive result slaughtered or culled	Total number of animals slaughtered	otal number of animals % coverage at slaughtered animal level	% positive animals Animal prevalence	
SLOVENIJA	Domestic pigs	342 141	3 273	3273	3273	0	0	0	100	0	×
Total		342,141	3 273	3273	3273	0	0	0	100	0	
								ADD	ADD A NEW ROW	MON	

## Stratified data on surveillance and laboratory tests

6.2

Stratified data on surveillance and laboratory tests for year: 6.2.1

2011

				Number of samples	Number of positive	
Region	Animal Species	Test Type	Test Description	tested	samples	
SLOVENIJA Domestic pigs	Domestic pigs	serological test	AB-ELISA	3 051	10	×
SLOVENIJA Domestic pigs	Domestic pigs	serological test	VNT	2		×
SLOVENIJA Domestic pigs	Domestic pigs	serological test	VNT -BVD			×
SLOVENIJA Domestic pigs	Domestic pigs	microbiological or virological tee	PCR	225		×
Total				3 284		
				ADDAN	ADD A NEW ROW	

Data on infection

6.3

Data on infection

Not applicable

○ Applicable...

Data on the status of herds

6.4

○ *Applicable...* 

- Data on vaccination or treatment programmes
- Not applicable Data on vaccination or treatment programmes is
- Applicable...

- Data on wildlife 9.9
- Not applicable Data on Wildlife is:
- Applicable...
- Estimation of wildlife population for year:

6.6.1

2011

Region	Species	Method of estimation	Estimation of the population	
SLOVENIJA	wild boar	hunting bag	8 742	×
		Total	8 742	
			ADD A NEW ROW	

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6.6.2 Disease surveillance and other tests in wildlife for year:

2011

Region	Species	Test type	<u>Test Descri</u> ption	Number of samples tested	Number of positive samples	
SLOVENIJA	wild boar	serological test	AB-ELISA	122	1	×
SLOVENIJA	wild boar	serological test	VNT	1	0	<b>X</b>
SLOVENIJA	wild boar	virological test	PCR	6	0	×
		Total		581	1	
			ADD A N	ADD A NEW ROW		

6.6.3 Data on vaccination or treatment of wildlife for year:

7. 2011

Total number of doses of vaccine or treatment administered	ADD A NEW ROW
Number of campaigns	JOY
Number of doses of vaccine or treatment to be administered	
Square km	
Region	

### 7. Targets

The blocks 7.1.1, 7.1.2.1, 7.1.2.2, 7.2, 7.3.1 and 7.3.2 are repeated multiple times in case of first year submission of multiple program.

### Targets related to testing (one table for each year of implementation) 7.1

7.1.1 Targets on diagnostic tests for year:

2013

	×	×	×	×	×		
Number of planned tests	2 690	20	10	10	330	090 9	OW
Objective	surveillance	surveillance	confirmation of suspected cases	confirmation of suspected cases	surveillance	Total	Add a new row
Type of sample	poold	poold	poold	poold	organs, blood		
Target population	Pigs and wild boar	Pigs and wild boar	Pigs	Pigs	Pigs and wild boar		
Type of the test	AB ELISA	VNT	VNT BVD	VNTBB	RT-qPCR		
Region	SLOVENIJA	SLOVENIJA	SLOVENIJA	SLOVENIJA	SLOVENIJA		

Targets on testing herds and animals 7.1.2

Targets on testing herds 7.1.2.1

○ Not applicable

Applicable...

Targets on the testing of herds for year: 7.1.2.1

2013

		×		
S	% new positive herds Expected herd incidence	0	0	row
Target indicators	% positive herds Expected period herd prevalence			Add a new row
	Expected % herd coverage	100	100	Ade
	% positive herds expected to be depopulated	0	0	
	Number of herds expected to be depopulated	0	0	
	Number of expected new positive herds	0	0	
	Number of expected positive herds	0	0	
	Total number of Number of herds under the herds expected expected programme to be checked positive herds	152	152	
	Total number of Number of Total number of herds under the herds expected herds programme to be checked	152	152	
	Total number of l	19 522	19 522	
	Animal species	Domestic pigs		
	Region	SLOVENIJA	Total	

7.1.2.2 Targets on testing animals

○ Not applicable

Applicable...

7.1.2.2 Targets on the testing of animals for year:

2013

	M.	Add a new row	Ado							
	0	100	0	0	0	6 020	6 020	6 020		350 883
×	0	100	0	0	0	830	830	830		8 742
×	0	100	0	0	0	5 190	5 190	5 190		342 141
	% positive animals (Expected animal prevalence)	Expected % 9 coverage at animal level	Total number of animals expected to be slaughtered	Number of animals with positive result expected to be slaughtered or culled	Number of expected positive animals	Number of Number of animals to be expected tested individually positive animals	Number of animals expected to be tested	Number of imals under the programme	n anim p	Number of Number of Total number animals under the animals expected of animals programme to be tested
	dicators	Target indicators	Slaughtering	Slaugh						

Targets on qualification of herds and animals

○ Applicable...

Targets on qualification of herds and animals • Not applicable

7.3 Targets on vaccination or treatment

7.3.1 Targets on vaccination or treatment is

Not applicable

○ Applicable...

 Not applicable 7.3.2 Targets on vaccination or treatment of wildlife is

○ Applicable...

### 2013 Detailed analysis of the cost of the programme for year:

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The blocks are repeated multiple times in case of first year submission of multiple program.

1. Testing			١				
Cost related to	<u>Specification</u>	Unit	Number of units	Unitary cost in EUR	Total amount in EUR	Union funding requested	
Cost of analysis	Elisa (antibody)	Individual animal sample/fest	2 690	17	96730 yes	yes	×
Cost of analysis	Virus neutralisation test	Individual animal sample/fest	20	50.2	1004	yes	×
Cost of analysis	Virus neutralisation test BVD	Individual animal sample/fest	10	36.8	368	368 yes	×
Cost of analysis	Virus neutralisation test BB	Individual animal sample/test	10	50.2	505	502 yes	×
Cost of analysis	RT-qPCR	Individual animal sample/fest	330	78.99	26066,7 yes	yes	×
Cost of sampling	Wild animals	Individual animal sample/test	008	16	12800 yes	yes	×
					Add a new row	row	
2. Vaccination or treatment							
Cost related to	Specification	Unit	Number of units	Unitary cost in EUR	Total amount in EUR	Union funding requested	
					Add a new row	row .	

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3. Slaughter and destruction						
Cost related to	Specification	Unit	Number of units	Unitary cost in EUR	Total amount in EUR	Union funding requested
					Add a new row	row
4. Cleaning and disinfection						
Cost related to	Specification	Unit	Number of units	Unitary cost in EUR	Total amount in EUR	Community funding requested
					Add a new row	row
5. Salaries (staff contracted for the programme only)	or the programme only)					
Cost related to	Specification	Unit	Number of units	Unitary cost in EUR	Total amount in EUR	Union funding requested
					Add a new row	row
6. Consumables and specific equipment	equipment					
Cost related to	Specification	Unit	Number of units	Unitary cost in EUR	Total amount in EUR	Union funding requested
					Add a new row	row
7.Other costs						
Cost related to	Specification	Unit	Number of units	Unitary cost in EUR	Total amount in EUR	Union funding requested
					Add a new row	row
	Total				137 470,70 €	

### **Attachments**

IMPORTANT:

1) The more files you attach, the longer it takes to upload them.

2) This attachment files should have one of the format listed here: zip, jpg, jpeg, tiff, tif, xls, doc, bmp, pna.

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