1. The competent authority shall carry out an epidemiological enquiry in the event of the confirmation of a listed disease.

2. The epidemiological enquiry shall aim to:

a) identify the likely origin of the disease and the means of its spread;

b) calculate the likely length of time that the disease has been present (High Risk Period);

c) identify establishments and epidemiological units therein, food and feed businesses or animal by-products establishments, or other locations…;

d) obtain information on the movements of animals, persons, products, vehicles, etc. which could have spread the disease agent during the relevant period preceding the notification (High Risk Period);

e) obtain information on the likely spread of the disease in the surrounding environment, including the presence and distribution of disease vectors.
Hypothesis approach: HRP

<table>
<thead>
<tr>
<th>Farm size</th>
<th>HRP</th>
</tr>
</thead>
<tbody>
<tr>
<td>Small/back yard (&lt;50)</td>
<td>1 week</td>
</tr>
<tr>
<td>Medium/small commercial (&lt;150)</td>
<td>2-3 weeks</td>
</tr>
<tr>
<td>Large /industrial (&gt;150)</td>
<td>&gt; 4 weeks</td>
</tr>
</tbody>
</table>
Test results can be used for indicating the duration of infection

**PCR Ab-Test** duration of infection (estimates)

- **pos neg** <12d (or the animal died/sampled before 12d)
- **pos pos** >12d (or the animal died/sampled after 12d)
- **neg pos** >24d (or the animals was sampled after 24d)
1st outbreak
brooding farm
5000 pigs

ASF

13 Feb.

2nd outbreak
contact farm
9000 pigs

ASF 7 Feb.

>25 d

Increased mortality
2.1.5. Sampling for laboratory investigations will be performed

- in the case of clinical signs (such as fever or haemorrhagic lesions).
- Each week, virological testing of at least the first two deaths (post weaning pigs or pigs older than 2 months) in each production unit. All dead pigs to be sampled and tested.
- Ante or post-mortem signs raising suspicion at home slaughtering at least within the area covered by Commission Decision 2014/769/EU.
am 08.08. 
tote Schweine beprobt:  
Abt. 18  
1x PCR+  

Abt. 15  
2x PCR+  
am 09.08.  
15 Proben aus jedem Stallabteil von auffälligen Tieren:  
Abt. 19: 1x PCR+  
Abt. 20: 11x PCR+  
25 Sauen PCR+  

Laura Zani
High Risk Period

HRP - Clinical findings

HRP - Mortality/Morbidity

HRP - Lab results

3 tote Schweine beprobt
alle PCR+
ein Tier IPT+

04.-05.07
Umstallung

16.07.
Umstallung

18.07.
Mortalitätspeak
section 15
(12 tote Schweine)

20.07.
Umstallung

25.07.
Umstallung

27.07.
10 tote
Schweine
Zustallung von
Schweinen aus
15+19

01.08.
14 tote
Schweine
und einige
zeigen Klinik

03.08.
9 tote
Schweine

Laura Zani

Notification: 7.8.18