Suppose: ep_i = event-predicate i that does NOT appear inside the sub-ordinate clause
ep_i' = event-predicate i that appear inside the sub-ordinate clause
$subj_i$ = subject of ep_i (including all phrases that modify $subj_i$)
obj_i = object of ep_i (including all phrases that modify obj_i)
mod_i = ep_i's modifiers
$subor_i$ = sub-ordinate clause of ep_i

Zone_Boundary_Generation
{   Scan *document* for the first event-predicate ep_1
       BoundaryExtension(*document*, 1, ep_1)
}
Boundary_Extension
{   Input: *Text*, i, ep_i,
   (1) Check for the ep_i's property
           if i=1 or ep_i's attributes are not the same as ep_{i-1}
              Initialize a new zone with the attributes of
              ep_i's attributes.
   (2) Extend the zone boundary from ep_i to the left and
       right to cover all $subj_i$, obj_i, mod_i, and $subor_i$ that
       appear before the occurrence of ep_{i+1}.
   (3) If the boundary cover sub-ordinate clauses
           For each sub-ordinate clause, $subor_i$
              Scan $subor_i$ for the first appearance of ep_1'
              BoundaryExtension($subor_i$, ep_1', 1)
   (4) Scan for the next event-predicate, ep_{i+1}, in *Text*
       (4.1) Update value of ep_i to ep_{i+1}
       (4.2) Update value of i to $i+1$
   (5) Repeat step (1)
}

Example
```
[The health officials in
Pakistan have confirmed
that
    [the Crimean−Congo
    hemorrhagic fever has
    killed at least
    5people , including a
    woman doctor , and
    infected around 45
    people in the
    country's biggest
    city of Karachi.]
]
[Dengue, commonly known
as Congo fever, is
spread through the bite
of an infected Aedes
Aegypti mosquito.]
```