Approval codes

The aim of this document is provide a business description and technical gideline for creating Approval Code feature.

Requirements:

1. Build one shippable code for D8 to provide a functionality called Approval code.

2. The Approval code feature needs to provide control over the codes which publish on a website.

3. The rules of code are:

   a. There are **2 types** of code :

      i. **Site-level** code.

         1. On site-level code, there are one or more codes, Each code should be stored as a single item.

         2. Site level Approval code can be 1 - n codes.

         3. The admin user should be able to switch the separator between codes, for example, a comma might use, bar a dash (, | - etc..).

         4. The site-level approval code is not required, so you might have it and you might not, it suppose to show only if you have it.

      ii. **Content level** code:

         1. The admin should have way to enable approval code per content type.

         2. The content approval code might be one or more (1-n)

         3. An override option should be available on a content level so the user allowed overriding the site-level code from the content edit page.

4. If the user decides to override the site-level, then only the content level code will be showing, otherwise, both will be showing.

5. The separator will be used for site-level codes will be same for the content level code.

6. The content approval codes not required, so content can be created without having approval code but not published.

7. Publish content which has approval code enabled and has no approval code should be prevented.

4. The feature will provide one block which outputs the approval codes on both levels.

5. This block can be placed anywhere on the website.

6. The feature won't generate any code, codes will be provided by the business

7. User should not be allowed to store duplicated code.

8. First 4 characters of code are capital letters, and the last 4 are numbers

9. In between there are 3 sections can be numbers or capital letters but not mix and separated by ".", Example of codes:

   a. **DFGH.CT.8789.TYU.8787** Valid

   b. **DF8H.CT.8789.TYU.8787** Not valid, has a number in the first section.

   c. **DFGH.CT.8789.TYU.87T87** Not valid has a letter in last section

   d. **DFGH.CT.8789.T8YU.8787** Not valid, mix number and letter in the 3red section.

10. The implementation will target Drupal 8.

11. The Code standards of D8 should be used in the project.

12. Dirty code will be rejected even if the feature delivered.

13. You need to provide us with a written proposal for the solution you want to implement and explain it from the technical side before you start implementation.