Zend_Filter_Phone - Thomas Weidner

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Zend Framework: Zend_Filter_Phone Component Proposal

Proposed Component Name	Zend_Filter_Phone
Developer Notes	http://framework.zend.com/wiki/display/ZFDEV/Zend_Filter_Phone
Proposers	Thomas Weidner
Zend Liaison	TBD
Revision	1.0 - 29 November 2009: Initial Draft. (wiki revision: 6)

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1. Overview

Zend_Filter_Phone is a filter which converts numeric input to a phone number.

2. References

- Wikipedia - Telephone Numbers
- Wikipedia - E.123
- ITU-T
- Country Calling Code
- Wikipedia - North American Number Plan
- Zend_Validate_Phone

3. Component Requirements, Constraints, and Acceptance Criteria

- This component **will** convert numeric input to conform a specified phone number format.
- This component **will** support national and international formats.
- This component **will** support definition of propritary formats.

- This component **will** provide and use the same API as Zend_Validate_Phone

4. Dependencies on Other Framework Components

- Zend_Filter
- Zend_Filter_Exception

5. Theory of Operation

This components changes a given input so it conforms a given phone number format. You could give a number and convert it into an international format or a national format simply by changing one spezifier. You could also seperate the different number tokens of which a phone number consists.

6. Milestones / Tasks

- Milestone 1: [DONE] Proposal finished
- Milestone 2: Proposal accepted
- Milestone 3: Working implementation
- Milestone 4: Unit tests
- Milestone 5: Documentation
- Milestone 6: Moved to core

7. Class Index

- Zend_Filter_Phone

8. Use Cases

UC-01

```
$filter = new Zend_Filter_Phone('en_US');
$filter->filter('2571234567');
// output could be "1 (257) 12345 - 67"
```

UC-02

```
$filter = new Zend_Filter_Phone();
$filter->setFormat(
   Zend_Filter_Phone::INTERNATIONAL + Zend_Filter_Phone::PREFIX
);
$filter->filter('2571234567');
// output could be "1 (257)"
```

UC-03

```
$filter = new Zend_Filter_Phone();
$filter->setFormat(
   Zend_Filter_Phone::TOKENIZE
);
$filter->filter('2571234567');
/* output could be
array(
    'international' => 1,
    'prefix' => 257,
    'local' => 12345
    'extension' => 67
);
```

9. Class Skeletons

```
class Zend_Filter_Phone {
    public function getFormat();
    public function setFormat($format);
    public function getLocale();
    public function setLocale($locale);
    public function filter($value);
}
```

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