

ECMAScript Internationalization API 2.0

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Schedule

- Target GA approval June 2014
 - 18 months after 1.0; time to incorporate feedback
 - 6 months after ES 6
- Complete specification Sep/Nov 2013
- TC 39 approval March 2014

Prioritization

- High – must have
- Wait – need feedback on 1.0 or investigation to decide
- Medium – may add if time permits
- Low – not this time
- No – inappropriate for this API
- Small fixes

High – ES 6?

- Unicode normalization
- Case conversion
- Character properties – in RegExp or as API?

High

- IANA time zone IDs in `DateTimeFormat`
 - Chrome 24+ has implementation
- Message formatting, including gender and plural handling
 - Not clear yet how template strings fit in

Wait

- DateTimeFormat improvements
 - Need feedback on 1.0
 - Pattern strings, high-level specifiers?
 - Info for date pickers?
 - Date intervals, relative dates, durations?
 - Expose ToLocalTime?

Wait

- Resource bundles
 - Needs investigation
 - Maybe module system can be used?

Medium

- Text segmentation: word and line breaks
 - Editors, offline indexing, ...
 - Chrome already has implementation
 - Browsers have code & data already for HTML
- Display names for languages, countries, scripts
- Number parsing – no currencies/percent/dates

Medium/low

- Calendar support
 - Info for date pickers
 - Conversion between calendars
 - Calculations within calendar (add 3 days)

Low

- Alphabetic index
 - Small data; easy to implement in JS

No

- Title case – too many house rules
- Language detection – too specialized
- Encoding detection and conversion – value decreasing

Small fixes

- Script reordering in Collator
- Pseudo-numbering systems in
NumberFormat and DateTimeFormat

Approval, please

- Approval to let internationalization ad-hoc start work towards 2.0