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?
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